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ABSTRACT

The National Assessment of Educational Progress (NAEP) is a congressionally mandated survey of educational achievement of American students in a variety of curriculum areas and of changes in that achievement over time. The National Assessment Governing Board (NAGB) established new standards for reporting the results that resulted in three achievement levels: basic, proficient, and advanced. This book, volume II of the Initial Performance Standards for the 1990 NAEP Mathematics Assessment, reports the results on 61 grade 8 items released to the public by state. The book is separated into five sections. Section 1 gives an explanation of the released item data giving an example for one item. Section 2 describes the grade 8 items released. Section 3 gives information on how to read the tables in the subsequent section and definitions are provided to assist readers in the interpretation of these data. Section 4 gives the national and regional results for grade 8 released items. Finally, Section 5 gives the results for grade 8 released items. by state. (MDH)

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National Assessment Governing Board

The LEVELS of Mathematics Achievement

Initial Performance Standards for the 1990 NAEP Mathematics Assessment

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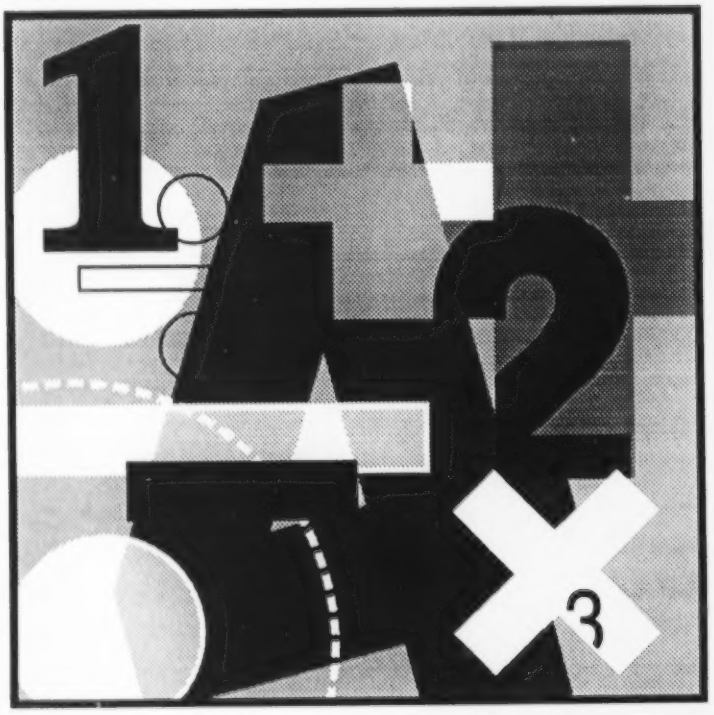
Volume II
State Results for Released Items



SE053 987

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What is The Nation's Report Card?

THE NATION'S REPORT CARD, the National Assessment of Educational Progress (NAEP), is the only nationally representative and continuing assessment of what America's students know and can do in various subject areas. Since 1969, assessments have been conducted periodically in reading, mathematics, science, writing, history/geography, and other fields. By making objective information on student performance available to policymakers at the national, state, and local levels, NAEP is an integral part of our nation's evaluation of the condition and progress of education. Only information related to academic achievement is collected under this program. NAEP guarantees the privacy of individual students and their families.

NAEP is a congressionally mandated project of the National Center for Education Statistics, the U.S. Department of Education. The Commissioner of Education Statistics is responsible, by law, for carrying out the NAEP project through competitive awards to qualified organizations. NAEP reports directly to the Commissioner, who is also responsible for providing continuing reviews, including validation studies and solicitation of public comment, on NAEP's conduct and usefulness.

In 1988, Congress created the National Assessment Governing Board (NAGB) to formulate policy guidelines for NAEP. The board is responsible for selecting the subject areas to be assessed which may include adding to those specified by Congress; identifying appropriate achievement goals for each age and grade; developing assessment objectives; developing test specifications; designing the assessment methodology; developing guidelines and standards for data analysis and for reporting and disseminating results; developing standards and procedures for interstate, regional, and national comparisons; improving the form and use of the National Assessment; and ensuring that all items selected for use in the National Assessment are free from racial, cultural, gender, or regional bias.

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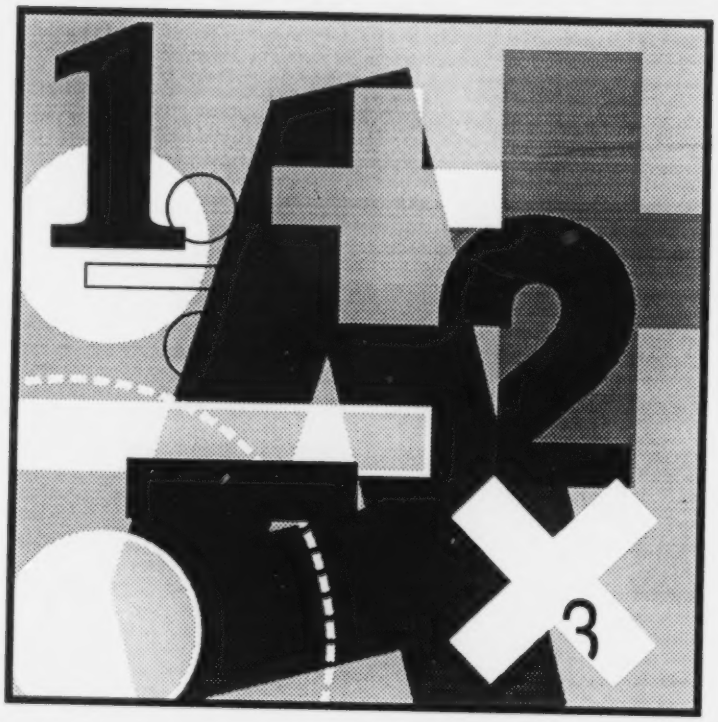
The LEVELS of Mathematics Achievement

Initial Performance Standards for the
1990 NAEP Mathematics Assessment

Volume II
State Results for Released Items



September 30, 1991

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FOR MORE INFORMATION:

The States participating in the initial NAGB performance standards project are listed alphabetically in both volumes of this Report. Copies are available from the individual participating States, as well as from the National Assessment Governing Board, while supplies last. Write:

NAGB Report
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or call (202) 357-6938.

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Section 1

Explanation of Released Item Data

Sixty-one Grade 8 items from the 1990 mathematics assessment were released to the public. These items are presented below along with data from the national sample.[1]

Next to each of the released items is information on the percentage of students in each grade answering the question correctly (% Correct Overall). Also shown are the percentages of students *at* each achievement level who answered the item correctly. These percentages were designed to reflect the performance of marginal students who just reached that level. For each item, the percentage correct *at* each achievement level represents the performance of students who fell 12.5 scale-score points above or below the cutoff points for that level.

In the example below, 49 percent of all Grade 8 students gave the correct answer. Thirty-six percent of the Grade 8 students *at* the basic level (more precisely, 12.5 scale-score points above or below the cutoff point) gave the correct answer. Students *at* the cutoff point for the proficient level gave the correct answer in 73 percent of the cases while 94 percent of the students at the cutoff point for the advanced level responded correctly. In cases where the same assessment items were used for more than one grade, results are presented separately for each grade.

Data for Grade 8 students in each state and region are also presented in tabular form in Sections 4 and 5. The percentages correct at each achievement level are given for all of the released items for Grade 8 and may be linked to each item by the seven-character NAEP ID.

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[1]Data from individual states should be compared to data from the State Aggregate Comparison (SAC) Sample in Section 3.

Section 2

Grade 8 Released Items

N276803

Grade 8: 80% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
77%	85%	95%

Add

59
46
82
+ 68

Answer: 255

N277602

Grade 4: 62% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
57%	80%	83%

Subtract

604
- 207

Answer: 397

Grade 8: 84% Correct Overall

Percent Correct At Each Achievement Level

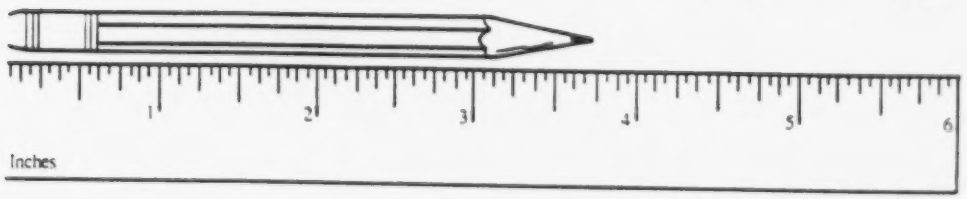
Basic	Proficient	Advanced
84%	91%	88%

N267201

Grade 8: 83% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
78%	95%	96%



What is the length of this pencil to the nearest quarter inch?

A $3\frac{1}{4}$ inches

(B) $3\frac{3}{4}$ inches

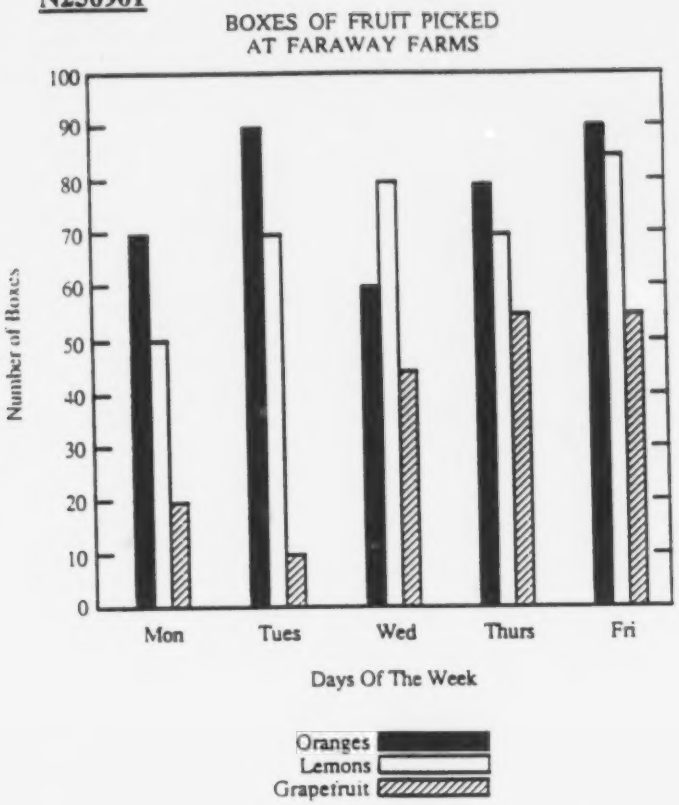
C $4\frac{1}{4}$ inches

D 4 inches

E I don't know.

10

N250901



How many boxes of oranges were picked on Thursday?

A 55

B 60

C 70

(D) 80

E 90

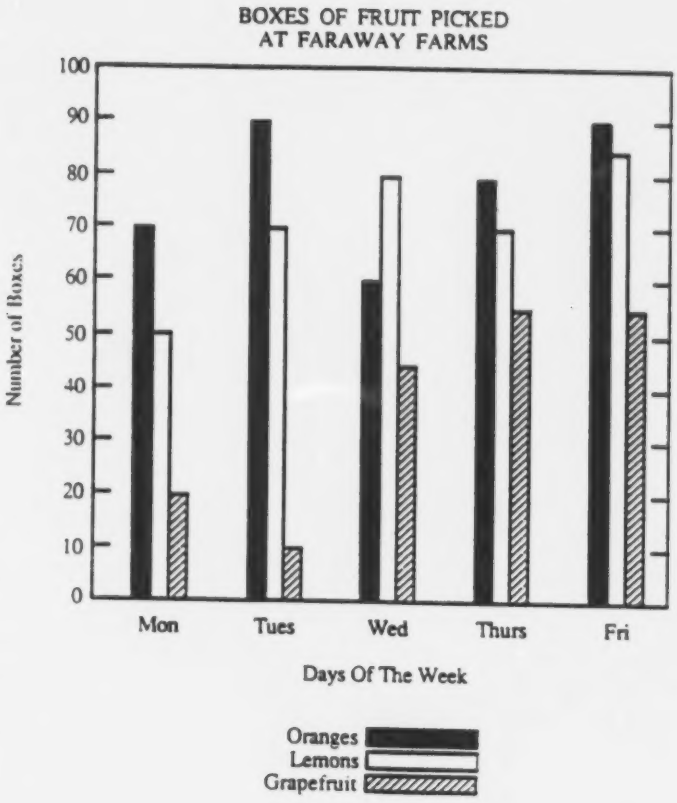
F I don't know.

Grade 8: 89% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
88%	94%	94%

N250902



Grade 4: 42% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
31%	67%	79%

Grade 8: 74% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
73%	90%	97%

On which day were more boxes of lemons picked than either boxes of oranges or boxes of grapefruit?

A Monday

B Tuesday

(C) Wednesday

D Thursday

E Friday

F No day

G I don't know.

N286201

Kathleen is packing baseballs into boxes. Each box holds six baseballs. She has 24 balls. Which number sentence will help her find out how many boxes she will need?

A $24 - 6 = \square$

B $24 \div 6 = \square$

C $24 + 6 = \square$

D $24 \times 6 = \square$

E I don't know.

Grade 8: 77%

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
74%	95%	99%

N256101

What is the value of $n + 5$ when $n = 3$?

Answer: 8

Grade 8: 77% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
74%	95%	95%

N250201

There is only one red marble in each of the bags shown below. Without looking, you are to pick a marble out of one of the bags. Which bag would give you the greatest chance of picking the red marble?

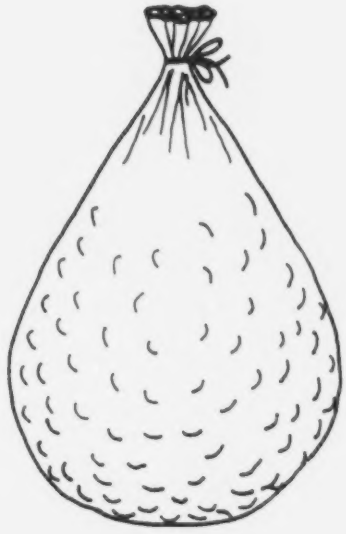
Grade 8: 83% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
84%	93%	96%

10 marbles

100 marbles



1000 marbles

(A) Bag with 10 marbles

B Bag with 100 marbles

C Bag with 1000 marbles

D It makes no difference.

E I don't know.

N265201

Which unit would you use to measure the length of a pencil?

(A) centimeter

B meter

C kilometer

D I don't know.

Grade 8: 90% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
91%	98%	97%

N274801

Change .35 to a percent.

A 0.35%

B 3.5%

(C) 35%

D 350%

E I don't know.

Grade 8: 79% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
73%	90%	100%

N258801

Which of the following is true about 125% of 10?

(A) It is greater than 10.

B It is less than 10.

C It is equal to 10.

D Can't tell.

E I don't know.

Grade 8: 55% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
46%	72%	95%

N253701

Grade 8: 68% Correct Overall

Which set of line segments CANNOT make a triangle?

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
66%	80%	88%

A

(B)

C

D

E I don't know.

N286602

Grade 8: 50% Correct Overall

Write this number as a decimal.

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
41%	73%	88%

$3\frac{3}{10} =$ 3.3

N275301

Grade 8: 83% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
83%	86%	92%

Which number is a common factor of 10 and 15?

(A) 5

B 10

C 15

D 30

E 150

F I don't know.

N269901

Grade 8: 68% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
60%	89%	97%

Which figure is NOT a PARALLELOGRAM?

A

B

C

(D)

E I don't know.

N265901

Grade 8: 51% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
43%	68%	86%

One liter is how many milliliters?

A 10

B 100

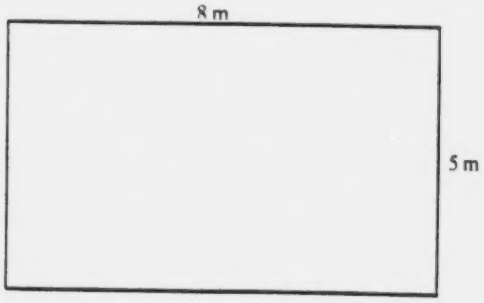
(C) 1000

D I don't know.

N252101

Grade 8: 59% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
54%	77%	90%



What is the PERIMETER of this rectangle?

A 13 meters

(B) 26 meters

C 40 meters

D 80 meters

E I don't know.

N260101

Grade 8: 68% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
60%	93%	100%

$^{+}6 + {}^{-}12 =$

(A) $^{-}6$

B $^{+}6$

C $^{-}18$

D $^{+}18$

E I don't know.

N263501

Grade 8: 61% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
53%	88%	100%

Here are the ages of five children:

13, 8, 6, 4, 4

What is the average age of these children?

A 4

B 6

(C) 7

D 8

E 9

F 13

G I don't know.

N264701

Which of the following sentences is true when any number is substituted for x?

A $x + 1 = x$

B $x + 0 = 0$

C $x \cdot 1 = 1$

(D) $x \cdot 1 = x$

E I don't know.

Grade 8: 44% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
27%	77%	99%

N286301

Which number is between .07 and .08?

A .008

B .06

(C) .075

D .75

E I don't know.

Grade 8: 54% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
41%	84%	96%

N254602

Grade 8: 37% Correct Overall

Which of the drawings below shows PERPENDICULAR LINES?

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
27%	56%	80%

A

(B)

C

D

E I don't know.

N255701

Grade 8: 38% Correct Overall

$2x + 3y + 4x =$

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
23%	64%	95%

A $9xy$

B $9x^2y$

C $5xy + 4x$

(D) $6x + 3y$

Grade 12: 79% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
78%	98%	100%

E I don't know.

M015401

How many hours are equal to 150 minutes?

A $1\frac{1}{2}$

B $2\frac{1}{4}$

C $2\frac{1}{3}$

(D) $2\frac{1}{2}$

E $2\frac{5}{6}$

Grade 8: 59% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
53%	76%	98%

M015501

If $\frac{2}{25} = \frac{n}{500}$ then $n =$

A 10

B 20

C 30

(D) 40

E 50

Grade 8: 49% Correct Overall

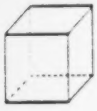
Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
36%	73%	94%

Grade 12: 63% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
54%	89%	96%

M015601

A straight line segment could NOT be drawn on the surface of which of the following solids?

A 

B

(C)

D

E

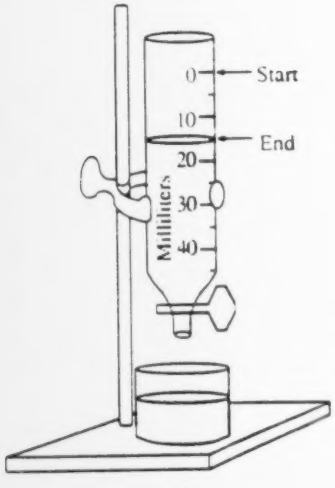
Grade 8: 62% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
60%	72%	88%

Grade 12: 76% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
69%	92%	95%

M015701



In the figure above, the tube was filled to the 0 mark at the start. How much liquid has been let out?

A 10 milliliters

(B) 15 milliliters

C 25 milliliters

D 40 milliliters

E 50 milliliters

Grade 8: 92% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
92%	98%	100%

Grade 12: 96% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
95%	99%	100%

M015801

Grade 8: 48%Correct Overall

The average weight of 50 prize-winning tomatoes is 2.36 pounds. What is the combined weight, in pounds, of these 50 tomatoes?

A 0.0472

B 11.8

C 52.36

D 59

(E) 118

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
33%	72%	96%

Grade 12: 68% Correct Overall

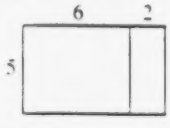
Percent Correct At Each Achievement Level

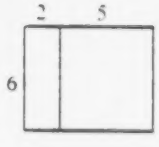
Basic	Proficient	Advanced
60%	89%	99%

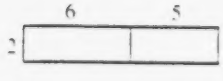
M015901

Grade 8: 43% Correct Overall

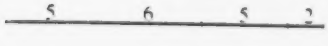
Which of the following figures best illustrates the statement $5 \times (6 + 2) = (5 \times 6) + (5 \times 2)$?

(A) 

B 

C 

D

E 

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
36%	53%	89%

Grade 12: 60% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
50%	76%	93%

M016001

What is the least whole number x for which $2x > 11$?

A 5

B 6

C 9

D 22

E 23

Grade 8: 46% Correct Overall

Percent Correct At Each Achievement Level

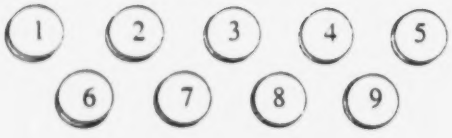
Basic	Proficient	Advanced
32%	67%	91%

Grade 12: 65% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
60%	88%	97%

M016101



The nine chips shown above are placed in a sack and then mixed up. Madeline draws one chip from this sack. What is the probability that Madeline draws a chip with an even number?

A $\frac{1}{9}$

B $\frac{2}{9}$

C $\frac{4}{9}$

D $\frac{1}{2}$

E $\frac{4}{5}$

Grade 8: 58% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
51%	77%	98%

Grade 12: 71% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
66%	89%	96%

M016201

If a measurement of a rectangular box is given as 48 cubic inches, then the measurement represents the

A distance around the top of the box.

B length of an edge of the box.

C surface area of the box.

(D) volume of the box.

Grade 8: 44% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
32%	62%	85%

Grade 12: 53% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
40%	76%	98%

M016301

Which of the following shows the result of flipping the above triangle over the line ℓ ?

A

B

C

D

(E)

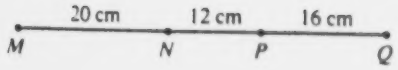
Grade 8: 60% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
52%	76%	88%

Grade 12: 75% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
72%	92%	97%

M016401



What is the distance between the midpoint of *MN* and the midpoint of *PQ* shown above?

A 18 cm

B 24 cm

C 26 cm

D 28 cm

(E) 30 cm

Grade 8: 30% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
17%	42%	87%

Grade 12: 47% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
30%	82%	96%

M016501

The least common multiple of 8, 12, and a third number is 120. Which of the following could be the third number?

(A) 15

B 16

C 24

D 32

E 48

Grade 8: 18% Correct Overall

Percent Correct At Each Achievement Level

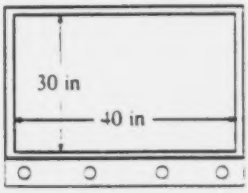
Basic	Proficient	Advanced
10%	24%	51%

Grade 12: 28% Correct Overall

Percent Correct At Each Achievement Level

Basic	Proficient	Advanced
17%	48%	64%

M016601



What is the diagonal measurement of the TV screen shown in the figure above?

A 25 inches

B 35 inches

C 50 inches

D 70 inches

E 1,200 inches

Grade 8: 25% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
16%	40%	61%

Grade 12: 43% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
26%	76%	98%

M016701

Which of the following figures contains line segments that are perpendicular?

A

B

C

D

Grade 8: 22% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
14%	29%	61%

Grade 12: 49% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
31%	85%	94%

M016801

The length of a rectangle is 3 more than its width. If L represents the length, what is an expression for the width?

A $3 \div L$

B $L \div 3$

C $L \times 3$

D $L + 3$

(E) $L - 3$

Grade 8: 15% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
6%	26%	54%

Grade 12: 28% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
11%	54%	74%

The next two questions refer to the following pattern of dot-figures.

M016901

If this pattern of dot-figures is continued, how many dots will be in the 100th figure?

A 100

B 101

C 199

D 200

(E) 201

Grade 8: 34% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
23%	47%	81%

Grade 12: 49% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
36%	77%	94%

M016902

Explain how you found your answer to the question above.

Answer: n = the number of the figure. There are n dots on each of the 2 sides of the figure, plus 1 dot on top. Therefore, (N x 2) + 1 gives the number of dots in the 100th figure: (100 x 2) + 1

Grade 8: 15% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
5%	24%	54%

Grade 12: 27% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
12%	51%	83%

M017001

Grade 8: 39% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
35%	50%	66%

There are 15 girls and 11 boys in a mathematics class
If a student is selected at random to run an errand,
what is the probability that a boy will be selected?

A $\frac{4}{26}$

(B) $\frac{11}{26}$

C $\frac{15}{26}$

D $\frac{11}{15}$

E $\frac{15}{11}$

M027031

Grade 8: 94% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
95%	97%	100%

$(150 \div 3) + (6 \times 2) =$

A 10

B 58

(C) 62

D 112

Did you use the calculator on this question?

O Yes O No

30

M027131

If $n + n + n = 60$, what is the value of n?

A 6

B 10

C 15

(D) 20

E 30

Did you use the calculator on this question?

O Yes O No

Grade 8: 89% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
91%	97%	100%

M027231

In which of the following circles is the line segment a diameter?

(A)

B

C

D

E

Did you use the calculator on this question?

O Yes O No

Grade 8: 75% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
71%	86%	96%

M027331

Grade 8: 36% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
22%	61%	97%

What is the product of 3.12 and 8^3?

Answer: 1597.44

Did you use the calculator on this question?

O Yes O No

M027431

Grade 8: 69% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
67%	85%	92%

Which of the following figures has two circular bases?

A A pyramid

B A sphere

C A cube

(D) A cylinder

E A cone

Did you use the calculator on this question?

O Yes O No

M027531

Grade 8: 71%Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
64%	89%	98%

$3 \times (\square + 5) = 30$

The number in the box should be

A 2

(B) 5

C 10

D 95

Did you use the calculator on this question?

O Yes O No

M027631

Grade 8: 59% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
50%	84%	99%

In the model town that a class is building, a car 15 feet long is represented by a scale model 3 inches long. If the same scale is used, a house 35 feet high would be represented by a scale model how many inches high?

A $\frac{45}{35}$

B 3

C 5

(D) 7

E $\frac{35}{3}$

Did you use the calculator on this question?

O Yes O No

M027731

Grade 8: 50% Correct Overall

Percent Correct At Each Achivement Level		
Basic	Proficient	Advanced
37%	76%	95%

(2,5), (4,9), (6,13)

Which of the following describes what to do to the first number in each ordered pair shown above to obtain the corresponding second number?

A Add 3

B Subtract 3

C Multiply by 2

D Multiply by 2 and subtract 1

(E) Multiply by 2 and add 1

Did you use the calculator on this question?

O Yes O No

M027831

Grade 8: 49% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
36%	81%	99%

The weight of an object on the Moon is $\frac{1}{6}$ the weight of that object on the Earth. An object that weighs 30 pounds on Earth would weigh how many pounds on the Moon?

Answer: 5

Did you use the calculator on this question?

O Yes O No

M027931

Grade 8: 47% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
35%	73%	95%

The cost to rent a motorbike is given by the following formula:

Cost = ($3 x number of hours) + $2

Fill in the table below.

Time in Hours	Cost in Dollars
1	5
4	14
5	17

Did you use the calculator on this question?

O Yes O No

M028031

Grade 8: 46% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
36%	65%	96%

Kate bought a book for $14.95, a record for $5.85, and a tape for $9.70. If the sales tax on these items is 6 percent and all 3 items are taxable, what is the total amount she must pay for the 3 items, including tax?

(A) $32.33

B $32.06

C $30.56

D $30.50

E $1.83

Did you use the calculator on this question?

O Yes O No

M028131

Grade 8: 34% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
27%	49%	60%

If 12 divides a whole number n without a remainder, list all whole numbers greater than 1 and less than 12 that must also divide n without a remainder.

Answers: 2, 3, 4 and 6

Did you use the calculator on this question?

O Yes O No

M028231

Grade 8: 44% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
38%	60%	87%

Ground beef costs $2.59 per pound. What is the cost of 0.93 pound of ground beef?

A $3.52

B $2.78

C $2.47

(D) $2.41

E $1.66

Did you use the calculator on this question?

O Yes O No

M028331

Grade 8: 41% Correct Overall

What is the ratio of the length of a side of an equilateral triangle to its perimeter?

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
34%	49%	82%

A 1:1

B 1:2

(C) 1:3

D 2:1

E 3:1

Did you use the calculator on this question?

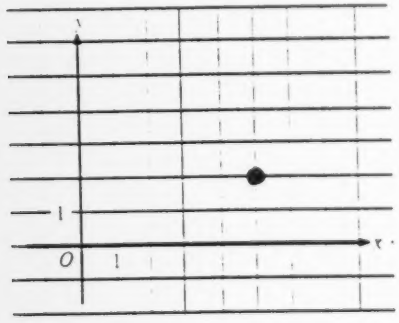
O Yes O No

M028431

Grade 8: 36% Correct Overall

Plot the point (5,2) on the grid shown below.

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
25%	56%	89%



Did you use the calculator on this question?

O Yes O No

M028531

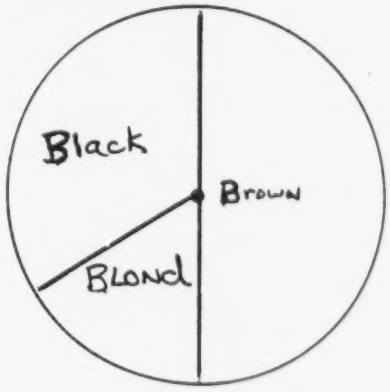
Grade 8: 73% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
72%	92%	98%

HAIR COLOR SURVEY RESULTS

Color of Hair	Percentage
Blond	17
Brown	50
Black	33
Totals	100

The table above shows the results of a survey of hair color. On the circle below, make a circle graph to illustrate the data in the table. Label each part of the circle graph with the correct hair color.



Did you use the calculator on this question?

O Yes O No

M028631

Grade 8: 15% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
4%	26%	70%

The Zandalia Zoo uses 214,964 kilograms of meat per year. If the meat costs $2.53 per kilogram, how much does the meat cost per week?

Answer: $10,458.83

Did you use the calculator on this question?

O Yes O No

M028731

Grade 8: 18% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
7%	28%	75%

If the price of a can of beans is raised from 50 cents to 60 cents, what is the percent increase in the price?

A 83.3%

(B) 20%

C 18.2%

D 16.7%

E 10%

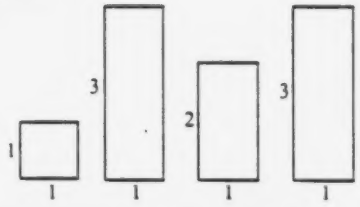
Did you use the calculator on this question?

O Yes O No

M028831

Grade 8: 19% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
14%	15%	56%



A certain rectangle has area equal to the sum of the areas of the four rectangles shown above. If its length is 4, what is its width?

(A) $2\frac{1}{4}$

B 2

C $2\frac{1}{2}$

D 3

E $3\frac{1}{2}$

Did you use the calculator on this question?

O Yes O No

M028931

Grade 8: 45% Correct Overall

Percent Correct At Each Achievement Level		
Basic	Proficient	Advanced
39%	58%	73%

If $\frac{10.3}{5.62} = \frac{n}{4.78}$, then, of the following, which is closest to n?

A 2.61

B 3.83

(C) 8.76

D 8.82

E 12.11

Did you use the calculator on this question?

O Yes O No

Section 3

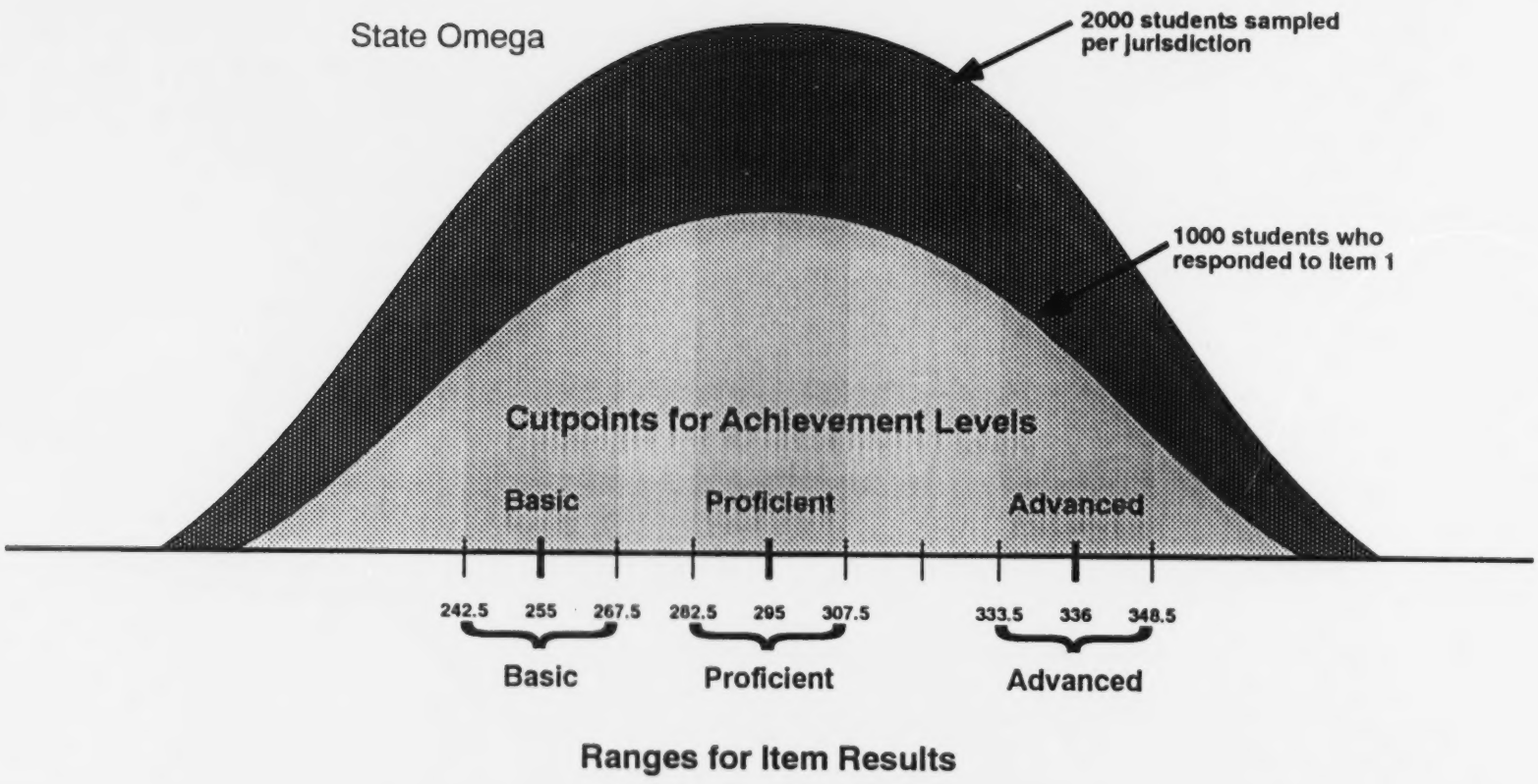
Explanation of Results for Released Items

The tables in the following Sections provide information on the performance of the students on individual released NAEP items for each jurisdiction. The definitions below have been provided to assist readers in the interpretation of these data.

Column Label	Read and interpret as follows:
NAEP ID	A seven-character alpha-numeric code that can be matched to the code appearing next to each item in Section 1 of this report.
Description	A brief description of the item context. The full text of all released items for Grade 8 is presented in Section 1 of this report.
Correct Overall	The abbreviation "N" refers to the number of students in a jurisdiction who responded to particular items. Note that even though the number of students sampled in each jurisdiction was approximately 2000, because of the matrix sampling procedures, the number of students who responded to any given item was approximately half the total number sampled. The abbreviation "PCT" refers to the percentage of students in this group who gave the correct answer to the item.
SAC	These data are from the State Aggregate Comparison (SAC) Sample and should be used in all comparisons of state and national results. The SAC sample was created from the public schools in the winter half-sample of the National Assessment to adjust for differences in administration of the National Assessment and the Trial State Assessment.

Correct at Basic Level (255)	The abbreviation "N" refers to the number of students whose scale scores were between 242.5 and 267.5, i.e., 12.5 scale score units around the Basic cut point. (See Figure 1 below.) The abbreviation "PCT" refers to the percentage of students in this group who gave the correct answer to the item.
Correct at Proficient Level (295)	The abbreviation "N" refers to the number of students whose scale scores were between 282.5 and 307.5, i.e., 12.5 scale score units around the Proficient cut point. (See Figure 1 below.) The abbreviation "PCT" refers to the percentage of students in this group who gave the correct answer to the item.
Correct at Advanced Level (336)	The abbreviation "N" refers to the number of students whose scale scores were between 323.5 and 348.5, i.e., 12.5 scale score units around the Advanced cut point. (See Figure 1 below.) The abbreviation "PCT" refers to the percentage of students in this group who gave the correct answer to the item.

Figure 1: Relationship Between Samples Used for Released Item Results and Entire State Sample



Section 4

National and Regional Results for Grade 8 Released Items

NAEP 1990 TRIAL STATE ASSESSMENT - NATIONAL COMPARISON SAMPLE - NATION
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	364	74%	207	87%	19	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	364	85%	207	93%	19	87%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	364	75%	207	98%	19	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	364	87%	207	95%	19	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	364	72%	207	92%	19	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	363	71%	207	94%	19	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	363	75%	207	93%	19	98%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	363	85%	207	94%	19	90%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	363	91%	207	99%	19	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	363	70%	207	89%	19	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	362	45%	207	74%	19	97%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	362	67%	207	79%	19	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	361	39%	207	75%	19	79%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	361	82%	207	85%	19	97%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	361	61%	207	89%	19	94%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	361	43%	207	69%	19	98%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	360	53%	207	78%	19	84%
N260101	COMPUTE +6, -12 =-6	1223	63%	359	58%	207	91%	19	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	359	53%	207	87%	19	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	359	23%	207	74%	19	98%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	359	41%	207	86%	19	94%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	354	31%	207	55%	19	74%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	352	22%	207	61%	19	96%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	339	50%	237	77%	26	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	339	37%	237	73%	26	93%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	339	57%	237	68%	26	88%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	339	93%	237	99%	26	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	339	33%	236	63%	26	94%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	339	36%	236	51%	26	92%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	339	28%	236	68%	26	85%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	339	49%	236	78%	26	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	339	29%	236	64%	26	79%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	339	53%	236	73%	26	84%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	339	18%	236	41%	26	84%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	338	12%	236	25%	26	41%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	338	16%	236	42%	26	46%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	337	13%	235	24%	26	64%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	335	5%	235	28%	26	53%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	331	21%	234	49%	26	81%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	328	6%	233	25%	26	51%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	324	34%	230	49%	26	68%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	341	96%	202	97%	22	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	341	91%	202	99%	22	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	341	71%	202	85%	22	95%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	341	20%	202	60%	22	91%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	341	64%	202	86%	22	89%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	340	62%	202	90%	22	95%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	339	50%	202	87%	22	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	339	41%	202	75%	22	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	337	39%	202	79%	22	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	334	36%	202	74%	22	96%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	328	35%	200	61%	22	96%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	321	26%	196	48%	22	55%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	313	41%	194	60%	22	96%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	303	38%	192	52%	22	74%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	296	22%	187	48%	22	76%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	290	75%	178	94%	21	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	263	6%	158	28%	21	53%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	256	5%	148	28%	20	80%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	244	14%	136	11%	17	47%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	232	39%	127	55%	15	51%

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NAEP 1990 TRIAL STATE ASSESSMENT - NATIONAL COMPARISON SAMPLE - NORTHEAST
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	233	78%	62	76%	60	81%	6	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	233	85%	62	82%	60	92%	6	79%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	233	84%	62	78%	60	97%	6	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	233	91%	62	96%	60	88%	6	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	233	76%	62	68%	60	88%	6	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	233	77%	62	63%	60	94%	6	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	233	77%	62	69%	60	91%	6	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	233	86%	62	87%	60	90%	6	83%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	233	91%	62	85%	60	97%	6	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	233	74%	62	50%	60	91%	6	100%
N258801	125% OF 10 IS GREATER THAN 10	233	53%	62	31%	60	69%	6	89%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	233	72%	62	65%	60	74%	6	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	233	61%	62	44%	60	84%	6	61%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	233	87%	62	87%	60	87%	6	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	233	69%	62	63%	60	84%	6	78%
N265901	ONE LITER IS 1000 MILILITERS	233	45%	62	32%	60	62%	6	100%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	232	67%	61	47%	60	84%	6	79%
N260101	COMPUTE +6, -12 =-6	232	66%	61	47%	60	90%	6	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	232	75%	61	67%	60	89%	6	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	232	43%	61	18%	60	78%	6	92%
N286301	.075 IS BETWEEN .07 AND .08	232	60%	61	45%	60	83%	6	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	232	43%	61	24%	60	52%	6	92%
N255701	2X + 3Y + 4X = 6X + 3Y	232	39%	61	16%	60	69%	6	100%
M015401	150 MINUTES = 2 1/2 HOURS	246	58%	59	46%	62	70%	8	100%
M015501	IF 2/25 = N/500 THEN N = 40	246	49%	59	28%	62	67%	8	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	246	64%	59	69%	62	73%	8	86%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	246	95%	59	96%	62	100%	8	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	246	50%	59	37%	62	65%	8	93%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	246	43%	59	27%	62	47%	8	93%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	246	51%	59	32%	62	68%	8	90%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	245	63%	59	58%	62	74%	8	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	245	48%	59	29%	62	62%	8	86%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	245	61%	59	47%	62	70%	8	77%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	244	31%	59	21%	62	43%	8	80%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	242	19%	58	7%	62	31%	8	35%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	241	27%	58	14%	62	51%	8	29%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	240	26%	57	25%	62	24%	8	72%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	238	21%	56	6%	62	40%	8	72%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	236	35%	55	21%	62	41%	8	69%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	234	16%	55	7%	61	23%	8	40%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	227	43%	54	37%	59	55%	8	71%
M027031	(150 / 3) + (6 X 2) = 62	217	95%	67	98%	46	95%	2	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	216	93%	67	93%	46	100%	2	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	216	82%	67	80%	46	94%	2	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	216	41%	67	29%	46	67%	2	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	216	69%	67	64%	46	80%	2	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	216	71%	67	68%	46	95%	2	100%
M027631	MOODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	216	57%	67	52%	46	83%	2	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	216	56%	67	50%	46	77%	2	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	215	46%	66	29%	46	77%	2	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	214	49%	65	36%	46	74%	2	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	207	46%	64	29%	44	61%	2	100%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	203	34%	63	29%	42	46%	2	56%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	198	42%	60	37%	41	49%	2	100%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	194	42%	58	32%	41	50%	2	44%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	190	28%	56	16%	40	41%	2	100%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	186	74%	56	68%	39	93%	2	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	173	14%	52	9%	35	19%	2	44%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	163	14%	49	2%	35	27%	2	100%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	152	15%	47	11%	31	11%	2	44%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	140	46%	45	40%	29	49%	1	0%

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NAEP 1990 TRIAL STATE ASSESSMENT - NATIONAL COMPARISON SAMPLE - SOUTHEAST
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	320	83%	85	86%	44	92%	3	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	320	78%	85	82%	44	91%	3	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	320	78%	85	72%	44	99%	3	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	320	88%	85	88%	44	94%	3	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	320	67%	85	77%	44	92%	3	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	319	71%	84	81%	44	94%	3	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	319	71%	84	81%	44	88%	3	67%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	319	77%	84	86%	44	92%	3	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	318	90%	84	98%	44	98%	3	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	318	79%	84	85%	44	79%	3	100%
N258801	125% OF 10 IS GREATER THAN 10	318	48%	84	37%	44	68%	3	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	318	63%	84	66%	44	79%	3	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	318	44%	84	44%	44	60%	3	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	318	79%	84	80%	44	88%	3	53%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	318	62%	84	60%	44	87%	3	100%
N265901	ONE LITER IS 1000 MILILITERS	318	46%	84	42%	44	64%	3	67%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	318	57%	84	54%	44	63%	3	100%
N260101	COMPUTE +6, -12 =-6	318	59%	84	66%	44	94%	3	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	316	54%	84	61%	44	97%	3	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	315	35%	84	26%	44	72%	3	100%
N286301	.075 IS BETWEEN .07 AND .08	315	42%	84	40%	44	89%	3	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	312	31%	82	32%	44	49%	3	33%
N255701	2X + 3Y + 4X = 6X + 3Y	309	35%	81	34%	44	75%	3	100%
M015401	150 MINUTES = 2 1/2 HOURS	329	53%	92	54%	51	74%	5	100%
M015501	IF 2/25 = N/500 THEN N = 40	329	50%	92	45%	51	82%	5	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	329	57%	92	54%	51	62%	5	100%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	329	90%	92	98%	51	100%	5	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	328	39%	92	27%	51	66%	5	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	328	40%	92	39%	51	56%	5	77%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	328	40%	92	31%	51	73%	5	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	327	49%	92	54%	51	70%	5	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	327	37%	92	30%	51	69%	5	84%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	327	56%	92	58%	51	78%	5	67%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	327	23%	92	18%	51	36%	5	84%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	327	17%	92	18%	51	20%	5	40%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	325	23%	92	11%	51	48%	5	100%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	325	17%	92	11%	51	18%	5	28%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	325	12%	92	7%	51	22%	5	34%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	317	30%	90	21%	51	54%	5	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	310	15%	90	7%	51	39%	5	100%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	305	37%	89	36%	50	47%	5	40%
M027031	(150 / 3) + (6 X 2) = 62	320	95%	90	97%	43	98%	6	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	320	88%	90	91%	43	99%	6	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	320	71%	90	64%	43	87%	6	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	320	28%	90	17%	43	61%	6	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	320	57%	90	60%	43	76%	6	90%
M027531	3 X (BOX + 5) = 30 BOX = 5	319	63%	90	57%	43	90%	6	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	317	50%	89	41%	43	98%	6	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	317	42%	89	34%	43	82%	6	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	316	44%	88	40%	43	81%	6	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	313	37%	87	36%	43	68%	6	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	304	40%	85	40%	43	61%	6	79%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	300	29%	84	21%	42	41%	6	62%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	290	39%	81	40%	42	57%	6	79%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	280	38%	78	39%	42	61%	6	75%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	272	28%	77	23%	41	46%	6	52%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	259	64%	74	69%	38	89%	6	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	227	10%	66	9%	32	17%	6	55%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	210	13%	63	4%	28	33%	6	100%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	199	14%	60	8%	27	14%	6	27%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	180	45%	55	42%	25	59%	6	100%

NAEP 1990 TRIAL STATE ASSESSMENT - NATIONAL COMPARISON SAMPLE - CENTRAL
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	276	75%	85	59%	44	87%	3	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	276	89%	85	90%	44	95%	3	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	276	82%	85	72%	44	98%	3	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	276	86%	85	79%	44	97%	3	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	276	70%	85	75%	44	91%	3	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	276	76%	85	72%	44	95%	3	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	276	72%	85	66%	44	95%	3	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	276	83%	85	87%	44	96%	3	77%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	276	90%	85	93%	44	100%	3	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	276	76%	85	76%	44	85%	3	100%
N258801	125% OF 10 IS GREATER THAN 10	276	56%	85	52%	44	79%	3	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	276	67%	85	71%	44	83%	3	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	274	45%	84	29%	44	79%	3	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	274	80%	84	81%	44	83%	3	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	274	65%	84	52%	44	97%	3	100%
N265901	ONE LITER IS 1000 MILILITERS	274	52%	84	50%	44	69%	3	100%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	274	54%	84	44%	44	76%	3	100%
N260101	COMPUTE +6, -12 =-6	274	69%	84	65%	44	91%	3	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	270	54%	84	36%	44	75%	3	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	270	36%	84	18%	44	78%	3	100%
N286301	.075 IS BETWEEN .07 AND .08	270	54%	84	48%	44	88%	3	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	267	30%	82	27%	44	43%	3	77%
N255701	2X + 3Y + 4X = 6X + 3Y	266	31%	81	13%	44	48%	3	100%
M015401	150 MINUTES = 2 1/2 HOURS	272	61%	72	53%	57	78%	8	100%
M015501	IF 2/25 = N/500 THEN N = 40	272	51%	72	37%	57	74%	8	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	272	57%	72	62%	57	68%	8	100%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	272	94%	72	90%	57	98%	8	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	272	46%	72	38%	57	57%	8	88%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	272	46%	72	42%	57	56%	8	90%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	272	43%	72	27%	57	71%	8	76%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	272	56%	72	46%	57	84%	8	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	272	40%	72	24%	57	70%	8	66%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	272	62%	72	58%	57	79%	8	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	272	26%	72	18%	57	38%	8	87%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	270	16%	72	16%	57	21%	8	38%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	269	24%	72	24%	57	30%	8	54%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	269	15%	72	9%	57	19%	8	66%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	269	11%	72	4%	57	20%	8	57%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	266	33%	71	22%	57	43%	8	74%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	263	14%	70	6%	57	21%	8	55%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	259	33%	69	32%	57	42%	8	63%
M027031	(150 / 3) + (6 X 2) = 62	271	94%	68	94%	52	100%	6	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	271	92%	68	90%	52	100%	6	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	271	71%	68	71%	52	73%	6	83%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	271	35%	68	24%	52	65%	6	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	271	71%	68	65%	52	89%	6	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	271	74%	68	64%	52	93%	6	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	271	62%	68	59%	52	86%	6	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	269	53%	68	41%	52	83%	6	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	268	54%	68	49%	52	77%	6	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	267	48%	68	32%	52	77%	6	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	263	46%	67	35%	52	60%	6	100%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	260	35%	65	27%	52	44%	6	46%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	258	46%	64	50%	52	56%	6	100%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	248	43%	62	37%	51	50%	6	51%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	244	33%	62	23%	50	42%	6	82%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	241	74%	60	76%	49	94%	6	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	225	18%	58	4%	44	40%	6	66%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	214	18%	57	4%	42	31%	6	83%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	200	15%	55	14%	40	5%	5	37%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	187	51%	54	46%	36	60%	5	23%

NAEP 1990 TRIAL STATE ASSESSMENT - NATIONAL COMPARISON SAMPLE - WEST
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	404	77%	132	74%	59	88%	7	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	404	82%	132	85%	59	92%	7	85%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	404	81%	132	78%	59	99%	7	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	404	89%	132	87%	59	100%	7	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	404	71%	132	70%	59	95%	7	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	404	72%	132	68%	59	93%	7	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	403	77%	132	79%	59	98%	7	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	403	83%	132	82%	59	97%	7	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	402	90%	132	89%	59	100%	7	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	402	74%	132	67%	59	97%	7	100%
N258801	125% OF 10 IS GREATER THAN 10	401	55%	131	51%	59	80%	7	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	401	71%	131	67%	59	82%	7	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	401	47%	131	39%	59	69%	7	77%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	400	82%	131	82%	59	84%	7	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	400	70%	131	66%	59	90%	7	100%
N265901	ONE LITER IS 1000 MILILITERS	400	53%	131	45%	59	80%	7	100%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	400	56%	131	61%	59	82%	7	77%
N260101	COMPUTE +6, -12 =-6	399	60%	130	54%	59	92%	7	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	397	57%	130	52%	59	89%	7	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	397	40%	130	27%	59	67%	7	100%
N286301	.075 IS BETWEEN .07 AND .08	397	49%	130	33%	59	84%	7	87%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	395	44%	129	38%	59	71%	7	66%
N255701	2X + 3Y + 4X = 6X + 3Y	394	34%	129	23%	59	56%	7	90%
M015401	150 MINUTES = 2 1/2 HOURS	405	60%	116	47%	67	85%	5	100%
M015501	IF 2/25 = N/500 THEN N = 40	405	44%	116	37%	67	71%	5	68%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	405	55%	116	51%	67	67%	5	68%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	404	91%	116	89%	67	99%	5	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	403	43%	116	31%	66	67%	5	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	403	44%	116	33%	66	45%	5	100%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	403	38%	116	23%	66	60%	5	85%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	403	55%	116	42%	66	84%	5	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	403	39%	116	31%	66	54%	5	86%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	403	54%	116	48%	66	65%	5	77%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	403	28%	116	17%	66	44%	5	86%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	403	17%	116	7%	66	25%	5	55%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	403	26%	116	16%	66	43%	5	32%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	398	19%	116	10%	65	33%	5	68%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	395	13%	115	5%	65	27%	5	32%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	389	35%	115	19%	64	60%	5	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	384	13%	113	4%	64	24%	5	37%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	382	38%	112	33%	64	54%	5	85%
M027031	(150 / 3) + (6 X 2) = 62	389	93%	116	95%	61	97%	8	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	389	84%	116	90%	61	95%	8	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	389	73%	116	70%	61	89%	8	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	389	28%	116	13%	61	50%	8	79%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	388	69%	116	67%	61	92%	8	79%
M027531	3 X (BOX + 5) = 30 BOX = 5	386	67%	115	61%	61	84%	8	89%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	385	56%	115	50%	61	85%	8	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	384	42%	115	39%	61	64%	8	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	383	45%	115	38%	61	83%	8	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	380	44%	114	38%	61	74%	8	90%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	375	44%	112	36%	61	61%	8	100%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	365	29%	109	27%	60	56%	8	59%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	360	45%	108	39%	59	73%	8	100%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	352	44%	105	43%	58	52%	8	95%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	341	30%	101	24%	56	61%	8	79%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	331	71%	100	83%	52	96%	7	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	289	11%	87	2%	47	26%	7	44%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	274	18%	87	10%	43	24%	6	62%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	249	22%	82	21%	38	15%	4	76%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	231	36%	78	32%	37	54%	3	48%

Section 5

State Results for Grade 8 Released Items

NAEP 1990 TRIAL STATE ASSESSMENT - ALABAMA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1085	80%	322	83%	157	83%	14	93%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1085	79%	322	85%	157	92%	14	93%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1085	83%	322	83%	157	97%	14	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1085	90%	322	90%	157	94%	14	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1085	73%	322	77%	157	92%	14	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1085	78%	322	83%	157	94%	14	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1085	78%	322	85%	157	95%	14	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1085	80%	322	83%	157	98%	14	95%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1085	89%	322	92%	157	98%	14	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1085	75%	322	75%	157	89%	14	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1085	57%	322	51%	157	80%	14	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1085	66%	322	67%	157	81%	14	95%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1085	44%	322	45%	157	70%	14	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1085	85%	322	84%	157	92%	14	95%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1085	63%	322	63%	157	84%	14	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1085	52%	322	49%	157	80%	14	100%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1085	58%	322	57%	157	74%	14	100%
N260101	COMPUTE +6, -12 =-6	1223	63%	1085	58%	322	62%	157	91%	14	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1083	58%	322	58%	157	84%	14	94%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1083	41%	322	38%	157	82%	14	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1083	46%	322	42%	157	82%	14	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1080	32%	322	27%	156	51%	14	95%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1078	30%	322	23%	156	59%	14	92%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1081	55%	325	57%	157	82%	15	88%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1081	43%	325	39%	157	73%	15	93%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1081	61%	325	64%	157	72%	15	83%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1081	91%	325	95%	157	98%	15	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1081	38%	325	38%	157	75%	15	93%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1081	38%	325	37%	157	52%	15	94%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1081	35%	325	30%	157	71%	15	79%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1081	48%	325	43%	157	84%	15	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1081	37%	325	31%	157	60%	15	100%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1081	57%	325	57%	157	77%	15	87%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1081	22%	325	18%	157	42%	15	81%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1081	17%	325	14%	157	34%	15	78%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1079	16%	325	13%	157	34%	15	74%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1078	15%	325	12%	157	27%	15	72%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1078	12%	325	8%	157	23%	15	66%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1069	28%	324	22%	156	60%	15	93%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1061	12%	323	7%	155	31%	15	86%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1057	30%	322	28%	154	50%	15	71%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1088	96%	342	96%	139	98%	19	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1088	88%	342	94%	139	99%	19	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1088	70%	342	71%	139	87%	19	90%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1088	31%	342	32%	139	67%	19	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1088	65%	342	69%	139	91%	19	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1088	72%	342	76%	139	93%	19	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1088	50%	342	54%	139	84%	19	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1088	46%	342	46%	139	74%	19	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1088	46%	341	45%	139	87%	19	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1085	39%	341	40%	139	71%	19	97%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1067	42%	337	39%	138	65%	19	93%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1053	33%	334	35%	138	48%	19	79%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1022	41%	324	47%	136	65%	19	95%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1006	36%	321	37%	135	44%	19	90%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	979	25%	312	19%	135	53%	19	77%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	937	66%	298	70%	132	94%	18	93%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	772	13%	236	8%	112	43%	18	91%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	706	15%	208	8%	104	24%	16	85%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	644	19%	189	16%	92	17%	14	78%
M028931	IF 10.3/5.62 = N/4.76 THEN 8.76 IS CLOSEST TO N	738	44%	556	38%	163	40%	78	38%	13	78%

NAEP 1990 TRIAL STATE ASSESSMENT - ARKANSAS
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1135	78%	368	80%	175	81%	15	93%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1135	80%	368	81%	175	91%	15	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1134	82%	368	80%	175	97%	15	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1134	89%	368	91%	175	98%	15	86%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1134	75%	368	80%	175	93%	15	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1134	79%	368	84%	175	95%	15	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1134	77%	368	81%	175	97%	15	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1134	80%	368	82%	175	94%	15	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1133	9 /%	368	94%	175	99%	15	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1133	1 5%	368	85%	175	91%	15	92%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1133	55%	368	51%	175	71%	15	94%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1133	65%	368	63%	175	84%	15	100%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1133	54%	368	56%	175	78%	15	86%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1134	85%	368	86%	175	85%	15	100%
N269001	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1134	72%	368	75%	175	90%	15	100%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	1134	52%	368	51%	175	75%	15	94%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1134	66%	368	65%	175	73%	15	100%
N260101	COMPUTE +6, -12 =-6	1223	63%	1134	56%	368	50%	175	88%	15	94%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1133	46%	368	40%	175	83%	15	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1133	36%	368	21%	175	73%	15	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1133	44%	368	39%	175	78%	15	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1129	36%	367	29%	173	57%	15	82%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1128	29%	367	21%	173	60%	15	94%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1137	62%	353	65%	179	83%	11	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1136	48%	353	45%	179	74%	11	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1136	67%	353	66%	179	73%	11	83%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1136	91%	353	93%	179	99%	11	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1136	48%	353	44%	179	71%	11	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1136	41%	353	36%	179	56%	11	68%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1136	36%	353	28%	179	65%	11	73%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1136	48%	353	40%	179	75%	11	92%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1136	35%	353	32%	179	55%	11	86%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1136	59%	353	60%	179	80%	11	82%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1135	27%	352	20%	179	52%	11	80%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1134	17%	351	14%	179	29%	11	82%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1134	18%	351	15%	179	37%	11	51%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1133	19%	351	14%	179	23%	11	56%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1132	13%	350	7%	179	29%	11	63%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1128	30%	348	23%	178	52%	11	91%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1118	11%	343	6%	178	24%	11	82%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1108	30%	342	28%	178	43%	11	75%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1151	94%	357	96%	186	95%	12	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1151	90%	357	93%	186	99%	12	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1151	73%	357	70%	186	93%	12	94%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1151	31%	357	23%	186	64%	12	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1151	69%	357	70%	186	92%	12	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1151	69%	357	69%	186	84%	12	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1148	56%	356	55%	186	66%	12	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1146	47%	354	42%	186	76%	12	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1142	47%	354	46%	186	81%	12	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1137	43%	353	39%	186	78%	12	92%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1121	45%	347	35%	186	70%	12	100%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1105	34%	345	36%	185	47%	12	68%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1080	40%	337	40%	181	64%	12	90%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1058	35%	328	30%	179	42%	12	93%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1041	19%	322	15%	170	36%	12	59%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1006	71%	306	76%	173	95%	12	100%
M028631	MEAT COST: (214,984/52)X2.53 = $10458.83 (RATER 1)	914	13%	861	10%	261	3%	153	24%	10	58%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	796	12%	245	6%	138	26%	10	69%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	726	15%	223	7%	121	11%	8	49%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	649	37%	205	36%	104	50%	7	100%

NAEP 1990 TRIAL STATE ASSESSMENT - CALIFORNIA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 48 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1029	78%	273	81%	157	79%	28	96%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1029	84%	273	86%	157	96%	28	94%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1029	81%	273	80%	157	97%	28	97%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1029	87%	273	89%	157	92%	28	91%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1029	68%	273	72%	157	93%	28	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1029	75%	273	78%	157	92%	28	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1029	75%	273	79%	157	96%	28	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1029	81%	273	82%	157	96%	28	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1029	90%	273	91%	157	100%	28	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1029	70%	273	68%	157	89%	28	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1029	54%	273	49%	157	79%	28	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1029	70%	273	74%	157	82%	28	89%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1029	48%	273	46%	157	81%	28	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1029	82%	273	82%	157	95%	28	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1028	68%	273	68%	157	89%	28	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1028	46%	273	50%	157	64%	28	87%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1028	56%	273	54%	157	76%	28	86%
N260101	COMPUTE +6, -12 =-6	1223	63%	1028	59%	273	60%	157	94%	28	96%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1028	55%	273	56%	157	88%	28	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1025	41%	273	34%	157	78%	28	97%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1025	48%	273	45%	157	83%	28	87%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1022	34%	272	32%	157	51%	28	64%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1017	33%	271	18%	157	66%	28	93%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1037	57%	290	56%	161	81%	31	95%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1036	42%	290	38%	161	73%	31	97%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1036	59%	290	57%	161	71%	31	82%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1036	92%	290	93%	161	100%	31	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1036	41%	290	40%	161	68%	31	85%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1035	41%	290	39%	161	58%	31	83%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1035	41%	290	31%	161	66%	31	91%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1033	52%	290	47%	161	79%	31	93%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1033	44%	290	39%	161	67%	31	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1033	60%	290	60%	161	77%	31	94%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1032	26%	290	16%	161	46%	31	74%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1030	17%	289	9%	161	28%	31	72%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1030	25%	289	17%	161	38%	31	78%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1028	16%	289	12%	161	25%	30	61%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1025	15%	289	7%	161	31%	30	63%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1014	31%	286	24%	160	52%	30	78%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	997	14%	279	7%	158	29%	30	61%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	985	34%	275	30%	155	50%	30	72%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1044	95%	276	96%	181	98%	21	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1044	90%	276	96%	181	98%	21	95%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1044	72%	276	72%	181	88%	21	86%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1044	32%	276	28%	181	56%	21	79%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	68%	1044	68%	276	68%	181	83%	21	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1044	71%	276	71%	181	86%	21	95%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1040	52%	275	47%	181	79%	21	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1039	46%	274	46%	181	73%	21	96%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1037	43%	274	40%	181	72%	21	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1035	45%	274	47%	181	76%	21	90%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1020	44%	270	34%	180	67%	21	100%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	997	33%	265	32%	178	58%	20	70%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	972	40%	260	38%	176	60%	20	95%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	955	39%	256	35%	174	44%	20	73%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	928	39%	251	33%	172	65%	19	88%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	879	71%	238	79%	171	92%	18	95%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	744	10%	196	2%	144	22%	17	36%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	697	16%	177	11%	138	25%	16	61%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	616	19%	160	10%	116	19%	15	62%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	552	42%	139	33%	107	56%	15	71%

NAEP 1990 TRIAL STATE ASSESSMENT - COLORADO
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1148	78%	369	79%	239	88%	25	96%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1148	86%	369	88%	239	95%	25	91%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1148	85%	369	86%	239	97%	25	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1148	90%	369	91%	239	91%	25	86%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1148	79%	369	79%	239	90%	25	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1148	79%	369	78%	239	92%	25	97%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1148	79%	369	77%	239	95%	25	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1148	85%	369	86%	239	94%	25	92%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1148	92%	369	93%	239	96%	25	97%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1148	72%	369	69%	239	84%	25	95%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1148	59%	369	52%	239	75%	25	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1148	74%	369	73%	239	84%	25	96%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1147	53%	369	44%	239	77%	25	95%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1147	83%	369	81%	239	87%	25	93%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1147	75%	369	73%	239	88%	25	96%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	1147	46%	369	40%	239	58%	25	100%
N252101	PERIMETER OF RECTANGLE 6M X 5M IS 26 METERS	1224	58%	1147	59%	369	53%	239	76%	25	88%
N260101	COMPUTE +6, -12 =-6	1223	63%	1146	71%	368	67%	239	94%	25	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1146	61%	368	52%	239	86%	25	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1146	50%	368	32%	239	82%	25	97%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1146	59%	368	47%	239	83%	25	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1140	32%	366	22%	239	52%	25	86%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1136	40%	365	25%	238	66%	25	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1159	61%	354	57%	257	82%	27	93%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1159	47%	354	32%	257	75%	27	96%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1159	65%	354	63%	257	75%	27	51%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1159	94%	354	94%	257	98%	27	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1158	49%	354	40%	257	76%	27	92%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1158	40%	354	35%	257	47%	27	74%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1158	44%	354	30%	257	71%	27	84%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1158	51%	354	42%	257	68%	27	86%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1157	50%	354	40%	257	70%	27	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1157	65%	354	62%	257	82%	27	89%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1156	32%	354	18%	257	52%	27	86%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1155	19%	353	10%	257	30%	27	60%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1155	29%	353	25%	257	41%	27	61%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1154	19%	352	13%	257	31%	27	46%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1153	15%	351	5%	257	28%	27	64%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1145	34%	348	22%	256	50%	27	92%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1143	16%	348	6%	255	28%	27	70%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1129	33%	345	24%	253	44%	26	56%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1142	96%	358	95%	273	98%	28	97%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1142	92%	358	92%	273	98%	28	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1142	75%	358	68%	273	87%	28	90%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1142	35%	358	21%	273	59%	28	77%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1142	74%	358	67%	273	89%	28	97%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1142	75%	358	72%	273	87%	28	97%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1142	63%	358	53%	273	89%	28	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1141	54%	358	41%	273	76%	28	94%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1138	53%	356	38%	273	82%	28	95%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1138	54%	356	42%	273	79%	28	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1133	48%	354	37%	272	86%	28	93%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1122	34%	350	26%	270	54%	28	65%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1106	44%	344	38%	269	56%	28	96%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1094	41%	336	33%	266	50%	28	84%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1079	41%	330	32%	265	59%	28	80%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1047	80%	322	80%	255	92%	28	100%
M028631	MEAT COST: (214.984/52)X2.53 = $10458.83 (RATER 1)	914	13%	932	14%	285	3%	231	28%	28	75%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	866	18%	266	9%	213	28%	28	75%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	781	19%	242	12%	187	22%	25	85%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	711	44%	221	42%	172	45%	24	78%

NAEP 1990 TRIAL STATE ASSESSMENT - CONNECTICUT
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1144	78%	261	74%	256	82%	58	94%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1144	86%	261	85%	256	92%	58	90%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1144	87%	261	81%	256	97%	58	98%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1144	90%	261	88%	256	94%	58	93%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1144	81%	261	78%	256	94%	58	98%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1144	80%	261	79%	256	94%	58	98%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1144	80%	261	77%	256	96%	58	98%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1144	85%	261	85%	256	92%	58	94%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1144	95%	261	92%	256	99%	58	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1144	78%	261	72%	256	87%	58	98%
N258601	125% OF 10 IS GREATER THAN 10	1228	53%	1144	61%	261	49%	256	75%	58	94%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1144	72%	261	64%	256	83%	58	95%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1144	62%	261	52%	256	83%	58	86%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1144	86%	261	84%	256	89%	58	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1143	72%	261	64%	256	85%	58	95%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1143	54%	261	45%	256	66%	58	94%
N252101	PERIMETER OF RECTANGLE 6M X 5M IS 26 METERS	1224	58%	1143	63%	261	52%	256	75%	58	95%
N260101	COMPUTE +6, -12 =-6	1223	63%	1143	67%	261	56%	256	89%	58	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1143	66%	261	59%	256	90%	58	97%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1143	49%	261	32%	256	73%	58	98%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1143	57%	261	44%	256	80%	58	95%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1142	38%	261	29%	256	53%	58	78%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1137	38%	261	16%	256	57%	58	97%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1156	61%	261	51%	273	78%	67	91%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1156	50%	261	31%	273	74%	67	97%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1156	66%	261	60%	273	74%	67	81%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1155	94%	261	96%	273	99%	67	99%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1155	51%	261	39%	273	72%	67	89%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1155	48%	261	39%	273	62%	67	84%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1155	47%	261	34%	273	67%	67	89%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1154	57%	261	42%	273	79%	67	92%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1154	51%	261	36%	273	65%	67	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	56%	1154	62%	261	52%	273	80%	67	94%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1153	37%	261	21%	273	50%	67	91%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1153	19%	261	8%	273	26%	67	61%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1151	31%	261	19%	273	41%	67	70%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1147	25%	279	16%	271	29%	67	60%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1146	18%	278	7%	271	21%	67	74%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1140	37%	278	25%	270	51%	67	87%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1137	20%	278	8%	269	31%	67	75%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1124	34%	277	26%	265	44%	67	89%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1136	96%	260	95%	273	98%	64	98%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1136	92%	260	93%	273	97%	64	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1136	78%	260	71%	273	86%	64	98%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1136	37%	260	18%	273	62%	64	83%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1136	71%	260	63%	273	84%	64	98%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1136	77%	260	74%	273	92%	64	97%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1135	67%	260	55%	273	90%	64	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1135	56%	260	44%	273	79%	64	92%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1132	54%	259	32%	273	84%	64	99%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1132	55%	259	39%	273	78%	64	91%
M028031	($14.95 + $5.85 + $8.70) X .06 = $32.33	1149	44%	1123	51%	258	38%	273	69%	64	88%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1111	35%	256	29%	271	44%	64	67%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1106	45%	255	35%	271	55%	64	84%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1097	41%	252	27%	270	45%	64	87%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1089	36%	252	23%	269	52%	64	80%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1060	76%	243	76%	267	92%	64	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	960	19%	215	4%	248	28%	62	67%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	908	22%	201	8%	239	24%	62	77%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	838	22%	189	13%	212	20%	59	66%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	761	45%	172	33%	194	52%	53	88%

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NAEP 1990 TRIAL STATE ASSESSMENT - DELAWARE
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	902	78%	265	80%	151	86%	20	97%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	902	84%	265	84%	151	95%	20	97%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	902	84%	265	80%	151	97%	20	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	902	93%	265	94%	151	97%	20	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	902	78%	265	79%	151	91%	20	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	902	78%	265	82%	151	93%	20	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	902	77%	265	78%	151	96%	20	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	902	84%	265	87%	151	95%	20	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	902	91%	265	92%	151	98%	20	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	902	73%	265	66%	151	90%	20	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	902	54%	265	46%	151	69%	20	86%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	902	68%	265	70%	151	77%	20	89%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	902	51%	265	48%	151	70%	20	76%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	902	84%	265	85%	151	88%	20	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	902	68%	265	59%	151	90%	20	98%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	902	50%	265	50%	151	68%	20	91%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	901	60%	264	56%	151	79%	20	84%
N260101	COMPUTE +8, -12 =-8	1223	63%	901	67%	264	61%	151	95%	20	96%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	900	57%	264	51%	151	92%	20	91%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SU3STITUTED FOR X	1214	38%	900	48%	264	35%	151	86%	20	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	900	50%	264	45%	151	75%	20	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	898	34%	264	22%	151	56%	20	88%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	895	38%	264	29%	150	67%	19	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	897	61%	255	58%	149	89%	26	90%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	897	48%	255	35%	149	79%	26	96%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	897	58%	255	60%	149	76%	26	78%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	897	91%	255	90%	149	99%	26	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	897	45%	255	35%	149	72%	26	99%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	897	43%	255	36%	149	64%	26	75%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	897	42%	255	37%	149	66%	26	92%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	897	55%	255	49%	149	78%	26	99%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	897	42%	255	34%	149	58%	26	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	897	61%	255	58%	149	83%	26	91%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	896	27%	254	14%	149	38%	26	86%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	895	16%	254	8%	149	22%	26	56%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	895	25%	254	18%	149	40%	26	88%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	895	17%	254	13%	149	23%	26	67%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	895	15%	254	6%	149	24%	26	61%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	894	32%	254	22%	149	55%	26	91%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	893	14%	253	3%	149	32%	26	73%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	889	35%	251	33%	149	52%	25	86%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	899	95%	236	96%	162	98%	22	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	899	90%	236	91%	162	99%	22	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	899	71%	236	66%	162	89%	22	92%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	899	30%	236	20%	162	62%	22	96%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	899	67%	236	67%	162	87%	22	96%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	899	74%	236	78%	162	92%	22	92%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	898	55%	236	47%	162	87%	22	86%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	898	47%	236	37%	162	78%	22	86%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	896	43%	235	33%	162	79%	22	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	894	45%	234	35%	162	80%	22	96%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	885	42%	231	35%	162	68%	22	77%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	873	35%	224	31%	162	52%	22	72%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1108	43%	862	39%	220	42%	159	55%	22	97%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	852	37%	216	32%	159	40%	22	83%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	843	33%	214	27%	159	49%	22	87%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	824	71%	206	69%	154	91%	22	92%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	740	10%	184	4%	137	23%	20	54%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	686	18%	174	7%	123	27%	17	69%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	630	15%	157	12%	110	14%	16	46%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	584	37%	147	40%	101	47%	14	57%

NAEP 1990 TRIAL STATE ASSESSMENT - DISTRICT OF COLUMBIA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	916	76%	188	80%	24	84%	5	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	916	69%	188	80%	24	88%	5	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	916	73%	188	79%	24	93%	5	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	916	86%	188	92%	24	94%	5	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	916	63%	188	78%	24	97%	5	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	916	66%	188	84%	24	90%	5	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	916	68%	186	86%	24	100%	5	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	916	72%	188	84%	24	90%	5	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	916	77%	188	89%	24	97%	5	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	916	64%	188	74%	24	94%	5	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	916	48%	188	48%	24	80%	5	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	916	60%	188	68%	24	83%	5	100%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	915	44%	186	62%	24	88%	5	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	914	80%	188	82%	24	83%	5	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	912	49%	188	60%	24	77%	5	100%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	912	32%	186	42%	24	59%	5	80%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	910	41%	188	52%	24	67%	5	100%
N260101	COMPUTE +6, -12 =-6	1223	63%	909	47%	188	69%	24	85%	5	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	909	27%	186	43%	24	93%	5	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	36%	906	32%	186	52%	24	90%	5	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	905	26%	186	37%	24	74%	5	80%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	899	25%	186	22%	24	36%	5	100%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	892	31%	184	58%	24	78%	5	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	922	43%	191	53%	31	80%	3	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	922	29%	191	38%	31	81%	3	67%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	922	55%	191	66%	31	78%	3	67%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	922	83%	191	92%	31	100%	3	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	922	25%	191	35%	31	64%	3	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	922	36%	191	44%	31	45%	3	100%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	921	27%	191	41%	31	81%	3	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	921	37%	191	44%	31	70%	3	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	921	30%	191	34%	31	62%	3	100%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	920	47%	191	57%	31	71%	3	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	918	19%	191	13%	31	48%	3	100%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	913	12%	191	10%	31	37%	3	100%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	910	14%	191	17%	31	53%	3	100%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	906	17%	190	15%	31	21%	3	67%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	903	8%	190	8%	31	21%	3	100%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	877	20%	184	24%	31	47%	3	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	856	5%	178	6%	31	26%	3	100%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	835	25%	172	35%	30	49%	3	100%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	918	94%	183	99%	26	100%	5	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	86%	918	85%	183	91%	26	97%	5	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	918	56%	183	63%	26	82%	5	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	918	19%	183	32%	26	61%	5	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	918	56%	183	74%	26	69%	5	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	917	65%	183	80%	26	88%	5	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	913	37%	182	54%	26	92%	5	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	912	38%	181	56%	26	88%	5	80%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	902	26%	180	42%	26	62%	5	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	887	32%	179	51%	26	79%	5	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	844	32%	168	46%	26	65%	5	100%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	798	22%	154	28%	25	65%	5	80%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	750	23%	142	30%	25	76%	5	80%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	722	33%	134	27%	25	43%	5	100%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	695	19%	130	33%	25	61%	5	100%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	626	49%	116	77%	25	100%	5	100%
M028631	MEAT COST: (214.964/52)X2.53 = $10458.83 (RATER 1)	914	13%	523	3%	93	1%	22	35%	4	50%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	496	12%	91	7%	22	40%	4	100%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	435	23%	77	13%	16	36%	4	100%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	383	30%	67	34%	15	64%	3	67%

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NAEP 1990 TRIAL STATE ASSESSMENT - FLORIDA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1081	78%	279	78%	175	82%	22	81%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1081	83%	279	84%	175	90%	22	96%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1081	80%	279	80%	175	95%	22	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1081	89%	279	88%	175	94%	22	95%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1081	76%	279	82%	175	93%	22	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1081	77%	279	85%	175	97%	22	89%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1081	79%	279	86%	175	96%	22	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1081	82%	279	85%	175	97%	22	96%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1081	88%	279	92%	175	96%	22	100%
N274601	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1081	80%	279	78%	175	92%	22	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1081	53%	279	46%	175	71%	22	96%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1081	68%	279	72%	175	78%	22	88%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1081	43%	279	42%	175	69%	22	92%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1081	83%	279	82%	175	86%	22	84%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1080	62%	279	61%	175	83%	22	91%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	1080	49%	279	42%	175	78%	22	94%
N252101	PERIMETER OF RECTANGLE 6M X 5M IS 26 METERS	1224	58%	1078	67%	278	64%	175	77%	22	95%
N260101	COMPUTE +6, -12 =-6	1223	63%	1077	58%	278	56%	175	92%	22	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1077	53%	278	51%	175	88%	22	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1076	39%	278	25%	175	81%	22	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1076	48%	278	42%	175	77%	22	96%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1075	27%	278	20%	175	43%	22	63%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1072	32%	276	21%	175	71%	21	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1084	54%	310	58%	146	80%	21	90%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1084	47%	310	49%	146	80%	21	96%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1084	61%	310	66%	146	77%	21	80%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1084	90%	310	92%	146	99%	21	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1084	41%	310	39%	146	69%	21	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1084	35%	310	31%	146	54%	21	79%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1084	40%	310	33%	146	76%	21	95%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1084	51%	310	52%	146	71%	21	95%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1084	39%	310	37%	146	62%	21	94%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1083	56%	310	58%	146	78%	21	90%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1082	24%	310	12%	146	39%	21	91%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1079	15%	308	12%	145	29%	21	48%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1077	21%	307	15%	145	42%	21	62%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1072	17%	307	8%	145	23%	21	58%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1070	13%	306	9%	145	26%	21	79%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1059	29%	303	25%	144	52%	21	81%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1051	12%	298	5%	144	33%	21	60%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1037	30%	293	30%	140	45%	20	66%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1079	95%	303	96%	166	99%	23	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1079	89%	303	94%	166	98%	23	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1079	71%	303	72%	166	80%	23	91%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1079	28%	303	19%	166	64%	23	92%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	68%	1079	65%	303	69%	166	84%	23	97%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1079	73%	303	77%	166	94%	23	93%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1078	54%	302	57%	166	83%	23	96%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1074	45%	302	41%	166	69%	23	96%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1072	42%	301	40%	166	82%	23	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1066	44%	299	46%	166	79%	23	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1041	46%	291	44%	165	69%	23	96%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1018	33%	279	34%	165	53%	23	60%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	985	37%	272	36%	163	59%	23	94%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	955	39%	258	32%	160	41%	23	91%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	934	31%	250	20%	159	59%	23	83%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	882	68%	231	77%	153	91%	23	95%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	757	10%	190	3%	134	17%	20	60%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	881	16%	696	16%	176	8%	122	27%	18	53%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	639	20%	161	12%	106	11%	17	76%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	567	39%	144	36%	92	45%	14	76%

NAEP 1990 TRIAL STATE ASSESSMENT - GEORGIA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 ÷ 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1201	80%	328	76%	219	90%	25	89%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1201	81%	328	87%	219	91%	25	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1201	81%	328	79%	219	97%	25	97%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1201	89%	328	89%	219	96%	25	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1201	78%	328	82%	219	96%	25	100%
N296201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1201	80%	328	84%	219	96%	25	84%
N256101	THE VALUE OF N ÷ 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1201	77%	328	82%	219	93%	25	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1201	86%	328	86%	219	98%	25	100%
N286201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1201	93%	328	94%	219	99%	25	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1201	80%	328	81%	219	94%	25	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1200	55%	328	48%	219	65%	25	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1200	70%	328	68%	219	85%	25	92%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1200	52%	328	51%	219	79%	25	92%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1200	83%	328	82%	219	86%	25	93%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1200	71%	328	69%	219	89%	25	92%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1200	50%	328	46%	219	68%	25	94%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1200	56%	328	51%	219	66%	25	100%
N260101	COMPUTE +8, -12 =-6	1223	63%	1200	58%	328	56%	219	91%	25	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1200	58%	328	56%	219	87%	25	96%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1200	48%	328	36%	219	83%	25	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1200	46%	328	35%	219	75%	25	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1197	40%	325	35%	219	58%	25	80%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1194	32%	325	21%	218	66%	25	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1177	58%	336	52%	222	79%	25	96%
M015501	IF 2/25 = N/500 THEN N = 40	1252	46%	1177	46%	336	39%	222	77%	25	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1177	65%	336	68%	222	77%	25	74%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1177	90%	336	93%	222	98%	25	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1177	44%	336	37%	222	71%	25	93%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1177	37%	336	33%	222	46%	25	93%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1177	40%	336	32%	222	69%	25	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1177	64%	336	67%	222	86%	25	97%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1177	39%	336	35%	222	53%	25	93%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1176	67%	336	64%	222	81%	25	91%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1176	29%	336	17%	222	44%	25	76%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1175	17%	336	10%	222	27%	25	61%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1175	21%	336	14%	222	39%	25	61%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1174	22%	336	17%	222	32%	25	80%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1173	16%	336	9%	222	27%	25	67%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1160	34%	330	26%	219	51%	25	85%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1148	16%	326	6%	218	26%	25	69%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1130	41%	319	36%	216	54%	25	64%
M027031	(150 / 3) ÷ (8 X 2) = 62	1197	94%	1193	95%	319	96%	214	97%	27	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	89%	1193	91%	319	95%	214	96%	27	97%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1193	72%	319	72%	214	85%	27	97%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1193	34%	319	23%	214	58%	27	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1193	72%	319	71%	214	90%	27	89%
M027531	3 X (BOX ÷ 5) = 30 BOX = 5	1192	66%	1193	74%	319	73%	214	90%	27	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1193	55%	319	51%	214	85%	27	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1192	53%	319	48%	214	75%	27	89%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1191	48%	319	35%	214	76%	27	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1186	47%	319	43%	214	75%	27	96%
M028031	($14.95 ÷ $5.85 ÷ $9.70) X .06 = $32.33	1149	44%	1168	41%	316	33%	213	64%	26	69%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1142	34%	309	31%	211	45%	26	56%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1122	41%	300	35%	210	60%	26	87%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1099	39%	293	32%	209	45%	26	74%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1068	29%	285	22%	207	49%	25	73%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1027	71%	279	71%	202	91%	25	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	869	11%	228	3%	174	22%	23	55%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	800	16%	207	6%	162	18%	22	75%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	709	17%	190	14%	139	9%	19	70%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	614	40%	184	33%	118	55%	17	89%

NAEP 1990 TRIAL STATE ASSESSMENT - HAWAII
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1077	83%	252	85%	145	88%	21	83%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1077	85%	252	88%	145	92%	21	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1077	81%	252	82%	145	96%	21	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1077	87%	252	90%	145	92%	21	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1075	65%	252	73%	145	89%	21	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1074	75%	252	84%	144	94%	21	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1073	67%	252	76%	144	94%	21	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1073	72%	252	77%	144	94%	21	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1072	87%	251	91%	144	98%	21	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1072	64%	251	64%	144	94%	21	100%
N258601	125% OF 10 IS GREATER THAN 10	1228	53%	1072	46%	251	42%	144	70%	21	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1072	72%	251	72%	144	90%	21	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1228	49%	1071	49%	251	53%	144	77%	21	86%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1071	79%	251	86%	144	88%	21	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1071	64%	251	75%	144	88%	21	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1071	42%	251	46%	144	62%	21	76%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1071	58%	251	58%	144	76%	21	94%
N260101	COMPUTE +8, -12 =-6	1223	63%	1069	55%	250	57%	144	95%	21	95%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1068	52%	250	57%	144	96%	21	96%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1067	38%	250	32%	144	76%	21	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1067	44%	250	40%	144	82%	21	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1062	27%	249	23%	143	52%	21	81%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1057	31%	249	19%	141	71%	21	95%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1096	56%	252	60%	150	78%	20	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1094	48%	252	51%	150	82%	20	90%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1094	57%	252	58%	150	73%	20	89%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1094	90%	252	94%	150	98%	20	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1094	41%	252	37%	150	71%	20	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1094	37%	252	37%	150	55%	20	82%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1094	37%	252	30%	150	67%	20	85%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1093	40%	252	31%	150	61%	20	94%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1093	44%	252	46%	150	69%	20	90%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1092	54%	252	58%	150	84%	20	90%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1091	24%	252	16%	150	37%	20	94%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1089	17%	252	12%	150	33%	20	67%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1088	24%	252	27%	149	36%	20	60%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1083	18%	250	17%	149	27%	20	53%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1082	13%	250	6%	149	27%	20	58%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1069	30%	248	22%	148	54%	20	88%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1062	12%	245	5%	146	29%	20	77%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1043	26%	244	27%	141	38%	20	71%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1077	94%	256	96%	140	99%	24	94%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1075	87%	255	93%	140	100%	24	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1075	68%	255	66%	140	93%	24	95%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1074	32%	255	27%	140	67%	24	95%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1074	63%	255	67%	140	86%	24	87%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1073	70%	255	73%	140	95%	24	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1071	52%	255	52%	140	85%	24	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1070	44%	255	43%	140	76%	24	96%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1065	45%	255	47%	140	87%	24	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1063	41%	255	43%	140	77%	24	96%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1051	42%	254	36%	139	77%	24	90%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1030	28%	248	32%	139	43%	24	63%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1021	38%	247	38%	139	60%	24	85%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1005	40%	244	34%	138	50%	24	82%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	983	27%	242	19%	136	60%	24	77%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	955	62%	234	71%	135	90%	24	98%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	858	7%	208	1%	122	14%	21	60%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	824	17%	202	9%	115	29%	21	81%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	734	19%	185	15%	97	14%	17	32%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	683	39%	167	32%	80	51%	15	94%

NAEP 1990 TRIAL STATE ASSESSMENT - IDAHO
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1174	80%	357	77%	292	87%	15	88%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1174	86%	357	82%	292	92%	15	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1174	87%	357	83%	292	96%	15	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1174	90%	357	87%	292	93%	15	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1174	77%	357	70%	292	91%	15	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1174	84%	357	81%	292	94%	15	84%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1174	85%	357	81%	292	95%	15	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1174	87%	357	83%	292	93%	15	92%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1174	94%	357	92%	292	99%	15	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1174	79%	357	71%	292	89%	15	100%
N256801	125% OF 10 IS GREATER THAN 10	1228	53%	1174	63%	357	54%	292	78%	15	98%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1174	72%	357	65%	292	82%	15	100%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1174	58%	357	48%	292	74%	15	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1174	82%	357	79%	292	86%	15	80%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1174	74%	357	69%	292	89%	15	87%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	1174	55%	357	43%	292	72%	15	91%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1174	58%	357	45%	292	69%	15	100%
N260101	COMPUTE +6, -12 =-6	1223	63%	1174	71%	357	59%	292	93%	15	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1174	66%	357	53%	292	86%	15	80%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1173	47%	356	25%	292	78%	15	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1173	60%	356	41%	292	83%	15	90%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1169	36%	356	26%	290	54%	15	86%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1162	37%	353	19%	289	56%	15	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1165	67%	345	54%	312	83%	11	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1165	54%	345	35%	312	78%	11	75%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1165	66%	345	63%	312	73%	11	56%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1165	96%	345	94%	312	98%	11	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1165	57%	345	41%	312	82%	11	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1165	42%	345	34%	312	58%	11	87%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1165	44%	345	26%	312	62%	11	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1165	57%	345	40%	312	76%	11	62%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1165	54%	345	42%	312	71%	11	75%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1164	69%	345	59%	312	82%	11	85%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1164	35%	345	21%	312	54%	11	100%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1164	24%	345	14%	312	35%	11	75%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1164	32%	345	19%	312	51%	11	75%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1163	20%	345	13%	312	29%	11	32%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1162	18%	345	9%	311	28%	11	72%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1152	39%	343	24%	308	54%	11	88%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1140	18%	340	5%	306	30%	11	86%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1132	31%	337	25%	305	38%	11	26%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1155	96%	358	96%	272	99%	21	92%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1155	93%	358	92%	272	96%	21	92%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1155	75%	358	67%	272	84%	21	88%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1155	35%	358	22%	272	52%	21	81%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1155	73%	358	67%	272	83%	21	92%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1155	78%	358	72%	272	88%	21	88%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1154	66%	357	57%	272	85%	21	90%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1154	54%	357	40%	272	73%	21	94%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1153	55%	356	35%	272	77%	21	99%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1152	58%	356	43%	272	81%	21	98%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1148	53%	354	39%	272	67%	21	86%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1130	38%	345	28%	271	48%	21	78%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1114	49%	338	38%	271	67%	21	84%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1093	38%	331	34%	265	41%	21	87%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1074	38%	321	23%	263	58%	20	75%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1035	84%	308	81%	257	94%	20	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	887	13%	264	3%	223	20%	20	62%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	809	16%	246	9%	205	23%	19	74%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	701	17%	226	11%	162	17%	17	69%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	627	43%	199	34%	147	56%	17	55%

NAEP 1990 TRIAL STATE ASSESSMENT - INDIANA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (BAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1115	81%	333	79%	241	85%	40	95%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1115	84%	333	81%	241	92%	40	98%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1115	86%	333	84%	241	97%	40	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1115	91%	333	92%	241	96%	40	98%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1115	80%	333	78%	241	94%	40	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1115	81%	333	81%	241	94%	40	98%
N258101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1115	83%	333	81%	241	97%	40	98%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1115	86%	333	87%	241	92%	40	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1115	93%	333	90%	241	99%	40	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1115	79%	333	76%	241	89%	40	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1115	60%	333	52%	241	78%	40	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1115	69%	333	66%	241	78%	40	87%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1115	56%	333	51%	241	72%	40	87%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1115	87%	333	85%	241	95%	40	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1115	70%	333	68%	241	88%	40	98%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1115	50%	333	39%	241	68%	40	93%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1115	58%	333	49%	241	69%	40	90%
N260101	COMPUTE +6, -12 =-6	1223	63%	1115	71%	333	59%	241	93%	40	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1115	64%	333	56%	241	89%	40	95%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1115	50%	333	33%	241	84%	40	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1114	60%	332	47%	241	87%	40	98%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1113	41%	332	26%	241	57%	40	87%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1110	33%	331	18%	241	56%	39	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1100	64%	340	56%	215	78%	33	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1100	54%	340	43%	215	77%	33	91%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1100	66%	340	63%	215	89%	33	88%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1100	94%	340	94%	215	98%	33	97%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1100	50%	340	33%	215	76%	33	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1100	39%	340	32%	215	50%	33	89%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1100	46%	340	33%	215	71%	33	95%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1100	58%	340	53%	215	77%	33	88%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1100	45%	340	32%	215	64%	33	97%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1100	67%	340	60%	215	84%	33	94%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1100	30%	340	18%	215	52%	33	84%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1100	20%	340	9%	215	33%	33	71%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1098	24%	340	16%	214	31%	33	68%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1098	17%	340	9%	214	25%	33	57%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1098	15%	340	7%	214	24%	33	63%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1094	35%	339	22%	214	47%	33	90%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1089	16%	336	7%	212	25%	33	60%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1080	35%	333	28%	212	40%	33	79%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1092	96%	326	95%	218	98%	32	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	86%	1092	93%	326	96%	218	98%	32	97%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1092	75%	326	71%	218	83%	32	98%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1093	35%	327	24%	218	57%	32	95%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	68%	1092	74%	326	72%	218	90%	32	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1092	74%	326	70%	218	88%	32	94%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1092	62%	326	54%	218	86%	32	90%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1092	53%	326	42%	218	79%	32	88%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1093	53%	327	43%	218	78%	32	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1093	51%	327	38%	218	78%	32	86%
M028031	($14.95 + $5.85 + $9.70) X .08 = $32.33	1149	44%	1084	46%	324	34%	217	72%	32	93%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1074	40%	321	36%	213	52%	32	76%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1060	41%	318	35%	211	57%	32	87%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1049	38%	312	29%	210	46%	32	81%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1037	38%	304	27%	208	57%	32	78%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1002	76%	294	73%	200	94%	31	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	880	12%	257	3%	176	21%	27	75%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	827	17%	241	5%	163	23%	22	78%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	749	18%	218	10%	148	16%	21	55%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	680	49%	198	45%	131	57%	18	89%

NAEP 1990 TRIAL STATE ASSESSMENT - KENTUCKY
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 48 + 82 + 66 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1154	80%	363	81%	164	84%	13	100%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1154	81%	363	84%	164	94%	13	92%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1154	82%	363	81%	164	96%	13	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1154	91%	363	91%	164	94%	13	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1154	76%	363	80%	164	92%	13	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1154	79%	363	82%	164	97%	13	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1154	79%	363	83%	164	96%	13	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1154	84%	363	88%	164	93%	13	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1154	92%	363	97%	164	99%	13	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1154	71%	363	69%	164	92%	13	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1154	52%	363	50%	164	71%	13	84%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1154	67%	363	66%	164	85%	13	84%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1154	53%	363	48%	164	81%	13	93%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1154	85%	363	87%	164	92%	13	93%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1154	68%	363	67%	164	87%	13	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1154	50%	363	50%	164	69%	13	92%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1154	56%	363	58%	164	71%	13	91%
N260101	COMPUTE +6, -12 =-6	1223	63%	1153	61%	363	56%	164	93%	13	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1152	50%	362	46%	164	66%	13	93%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1152	38%	362	22%	164	83%	13	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1152	47%	362	44%	164	81%	13	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1147	30%	360	22%	164	57%	13	91%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1143	31%	359	19%	164	64%	13	93%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1148	57%	379	54%	167	83%	13	82%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1148	40%	379	35%	167	62%	13	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1148	64%	379	65%	167	70%	13	97%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1148	92%	379	95%	167	99%	13	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1148	40%	379	35%	167	79%	13	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1148	40%	379	39%	167	48%	13	97%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1148	34%	379	26%	167	59%	13	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1148	53%	379	48%	167	86%	13	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1147	40%	379	37%	167	68%	13	100%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1147	60%	379	61%	167	80%	13	92%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1147	27%	379	20%	167	43%	13	100%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1146	17%	379	11%	167	30%	13	76%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1144	20%	378	12%	166	40%	13	100%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1144	17%	378	15%	166	25%	13	50%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1142	12%	378	6%	166	26%	13	50%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1136	31%	375	25%	166	56%	13	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1130	13%	375	7%	165	32%	13	83%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1117	32%	370	27%	163	52%	13	83%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1145	95%	343	96%	178	98%	12	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1145	92%	343	96%	178	100%	12	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1145	74%	343	75%	178	85%	12	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1145	27%	343	19%	178	57%	12	83%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1145	67%	343	68%	178	88%	12	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	66%	1145	71%	343	75%	178	85%	12	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1145	56%	343	59%	178	80%	12	92%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1145	49%	343	44%	178	79%	12	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1144	47%	343	44%	178	78%	12	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1143	46%	343	43%	178	82%	12	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1134	38%	339	35%	178	63%	12	91%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1125	34%	335	34%	178	50%	12	48%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1107	41%	331	40%	176	63%	12	92%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1097	40%	325	34%	175	46%	12	82%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1080	26%	319	17%	173	60%	12	84%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1049	68%	308	73%	170	91%	12	73%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	919	9%	266	3%	153	24%	12	67%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	863	15%	250	14%	150	22%	12	66%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	791	18%	224	14%	131	15%	11	35%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	718	40%	202	36%	116	49%	8	75%

NAEP 1990 TRIAL STATE ASSESSMENT - LOUISIANA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1089	79%	333	78%	116	84%	10	92%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1089	77%	333	84%	116	88%	10	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1089	77%	333	77%	116	94%	10	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1089	89%	333	90%	116	97%	10	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1090	70%	334	78%	116	95%	10	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1090	76%	334	80%	116	96%	10	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1090	73%	334	82%	116	96%	10	91%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1090	78%	334	85%	116	95%	10	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1090	87%	334	90%	116	96%	10	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1090	77%	334	76%	116	92%	10	90%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1090	50%	334	47%	116	72%	10	89%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	66%	1090	62%	334	62%	116	76%	10	81%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1090	44%	334	48%	116	84%	10	100%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1090	84%	334	85%	116	90%	10	89%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1090	59%	334	67%	116	86%	10	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1090	44%	334	48%	116	75%	10	68%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1090	58%	334	57%	116	77%	10	100%
N260101	COMPUTE +8, -12 =-6	1223	63%	1089	58%	334	63%	116	89%	10	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1087	48%	334	50%	116	87%	10	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1086	41%	334	42%	116	78%	10	100%
N268301	.075 IS BETWEEN .07 AND .08	1214	51%	1084	44%	334	48%	116	82%	10	89%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1082	30%	334	25%	116	52%	10	78%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1078	28%	333	25%	116	63%	10	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1112	52%	323	55%	101	80%	8	86%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1112	39%	323	38%	101	74%	8	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1112	59%	323	64%	101	73%	8	85%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1112	87%	323	93%	101	98%	8	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1112	38%	323	39%	101	74%	8	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1111	35%	322	32%	101	58%	8	74%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1111	30%	322	31%	101	68%	8	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1111	46%	322	48%	101	81%	8	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1111	37%	322	36%	101	59%	8	100%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1112	51%	323	53%	101	83%	8	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1111	22%	323	15%	101	51%	8	90%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1109	14%	323	11%	101	35%	8	74%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1108	18%	321	15%	101	39%	8	85%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1104	15%	321	13%	101	19%	8	77%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1103	8%	320	5%	101	27%	8	88%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1087	26%	319	26%	101	53%	8	86%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1075	11%	317	7%	100	36%	8	77%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1064	28%	312	31%	95	36%	8	66%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1104	95%	334	95%	107	97%	6	85%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1104	89%	334	96%	107	96%	6	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1104	71%	334	72%	107	87%	6	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1104	27%	334	27%	107	57%	6	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1104	61%	334	67%	107	90%	6	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	66%	1103	66%	334	73%	107	91%	6	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1103	49%	334	55%	107	87%	6	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1102	42%	334	45%	107	67%	6	85%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1097	40%	334	40%	107	80%	6	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1089	37%	333	38%	107	76%	6	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1087	41%	328	43%	106	71%	6	84%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1032	27%	322	29%	103	42%	6	69%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	991	32%	309	37%	100	59%	6	100%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	958	34%	295	27%	98	54%	6	100%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	918	18%	288	19%	95	47%	6	100%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	849	62%	267	75%	88	95%	6	100%
M028631	MEAT COST: (214,984/52)X2.53 = $10458.83 (RATER 1)	914	13%	689	5%	207	1%	73	17%	6	66%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	638	11%	194	6%	67	22%	5	81%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	586	16%	168	13%	60	11%	4	77%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	486	37%	152	39%	46	51%	4	100%

NAEP 1990 TRIAL STATE ASSESSMENT - MARYLAND
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1197	76%	277	74%	223	81%	46	86%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1197	80%	277	79%	223	89%	46	93%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1197	82%	277	80%	223	95%	46	98%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1197	90%	277	92%	223	94%	46	95%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1196	77%	277	82%	223	94%	46	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1196	79%	277	83%	223	95%	46	98%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1196	80%	277	84%	223	97%	46	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1196	83%	277	84%	223	93%	46	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1196	90%	277	93%	223	99%	46	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1196	77%	277	75%	223	92%	46	98%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1196	56%	277	46%	223	74%	46	91%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1196	69%	277	66%	223	80%	46	94%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1196	55%	277	54%	223	74%	46	87%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1196	86%	277	87%	223	90%	46	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1196	67%	277	66%	223	87%	46	93%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	1195	45%	277	38%	223	61%	46	85%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1196	64%	277	57%	223	75%	46	98%
N260101	COMPUTE +6, -12 =-6	1223	63%	1196	66%	277	65%	223	95%	46	98%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1196	67%	277	67%	223	91%	46	96%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1193	52%	276	43%	223	84%	46	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1191	51%	276	50%	223	76%	46	98%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1185	36%	275	30%	223	48%	46	91%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1179	45%	272	33%	222	64%	46	95%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1192	57%	291	56%	221	78%	42	87%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1192	47%	291	41%	221	72%	42	95%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1192	62%	291	62%	221	70%	42	81%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1192	91%	291	94%	221	99%	42	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1191	42%	291	35%	221	73%	42	93%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1191	43%	291	35%	221	60%	42	88%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1191	46%	291	37%	221	72%	42	88%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1191	53%	291	51%	221	76%	42	88%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1191	44%	291	33%	221	63%	42	97%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1191	63%	291	64%	221	81%	42	95%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1191	28%	291	15%	221	45%	42	87%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1189	16%	291	8%	221	25%	42	59%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1188	26%	291	18%	221	40%	42	72%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1188	20%	291	17%	221	20%	42	72%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1186	17%	290	9%	221	32%	42	71%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1175	34%	285	30%	220	52%	42	91%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1172	18%	283	11%	220	33%	42	74%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1157	37%	280	37%	216	50%	42	75%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1206	95%	277	97%	218	97%	46	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1205	91%	277	97%	218	97%	46	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1205	71%	277	67%	218	83%	46	96%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1205	38%	277	25%	218	65%	46	91%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1205	69%	277	68%	218	84%	46	96%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1205	72%	277	67%	218	91%	46	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1203	58%	277	56%	218	87%	46	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1203	53%	277	50%	218	75%	46	95%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1201	50%	276	42%	218	80%	46	98%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1197	49%	274	39%	217	84%	46	96%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1181	45%	269	39%	216	67%	46	85%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1155	35%	262	33%	213	50%	46	79%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1130	38%	256	33%	213	56%	46	89%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1111	38%	250	31%	210	40%	46	87%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1090	38%	245	31%	210	59%	46	89%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1053	73%	237	71%	205	94%	45	96%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	923	13%	201	0%	187	26%	45	58%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	857	19%	186	6%	166	23%	45	77%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	781	22%	170	16%	143	17%	41	65%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	683	44%	145	41%	127	51%	39	66%

NAEP 1990 TRIAL STATE ASSESSMENT - MICHIGAN
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1117	80%	315	81%	217	88%	35	94%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1117	84%	315	84%	217	92%	35	97%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1117	86%	315	83%	217	96%	35	98%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1117	88%	315	87%	217	95%	35	98%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1117	78%	315	78%	217	92%	35	98%
N296201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1116	82%	315	79%	217	95%	35	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1116	81%	315	78%	217	96%	35	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1115	84%	315	83%	217	96%	35	98%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1115	92%	315	91%	217	98%	35	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1115	74%	315	69%	217	86%	35	92%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1115	61%	315	51%	217	74%	35	98%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1115	72%	315	69%	217	83%	35	95%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1228	49%	1115	54%	315	43%	217	80%	35	94%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1115	83%	315	84%	217	88%	35	89%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1115	70%	315	68%	217	86%	35	95%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1115	49%	315	40%	217	70%	35	94%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1114	54%	315	46%	216	67%	35	93%
N260101	COMPUTE +6, -12 =-6	1223	83%	1113	87%	314	57%	216	95%	35	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1110	57%	314	50%	216	87%	35	91%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1109	46%	314	28%	216	79%	35	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1109	54%	314	42%	216	83%	35	98%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1105	39%	313	30%	216	49%	35	96%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1102	39%	312	25%	216	73%	35	90%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1094	61%	315	54%	218	81%	35	91%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1094	48%	315	39%	218	73%	35	87%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1094	66%	315	65%	218	70%	35	88%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1094	93%	315	96%	218	96%	35	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1094	48%	315	37%	218	75%	35	95%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1094	41%	315	34%	218	54%	35	81%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1094	45%	315	32%	218	70%	35	93%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1094	55%	315	50%	218	78%	35	89%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1094	46%	315	40%	218	61%	35	90%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1093	59%	315	53%	218	77%	35	83%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1093	30%	315	21%	218	53%	35	81%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1093	18%	315	10%	218	30%	35	66%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1093	27%	315	21%	218	45%	35	66%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1091	22%	314	15%	218	28%	35	72%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1090	17%	314	8%	217	35%	35	56%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1082	35%	310	24%	216	51%	35	91%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1075	16%	307	6%	214	27%	35	71%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1084	34%	304	26%	210	53%	35	66%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1104	96%	315	97%	211	98%	34	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1103	91%	315	93%	211	98%	34	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1103	78%	315	75%	211	87%	34	93%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1103	35%	315	25%	211	59%	34	81%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1103	72%	315	70%	211	84%	34	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1102	77%	315	75%	211	91%	34	97%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1101	61%	314	53%	211	86%	34	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1099	52%	314	42%	211	70%	34	92%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1097	53%	314	38%	211	84%	34	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1094	53%	314	42%	211	79%	34	98%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1086	44%	312	34%	211	64%	34	91%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1070	37%	309	32%	207	56%	34	64%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1057	43%	304	36%	206	57%	34	95%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1045	40%	300	34%	205	45%	34	79%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1031	39%	296	29%	203	60%	34	92%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1002	78%	287	78%	199	95%	34	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	907	15%	251	3%	186	22%	34	59%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	861	18%	237	11%	176	24%	31	64%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	785	18%	218	16%	158	16%	29	68%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	711	45%	199	41%	141	52%	27	70%

NAEP 1990 TRIAL STATE ASSESSMENT - MINNESOTA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1103	82%	303	81%	280	85%	54	93%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1103	87%	303	83%	280	90%	54	96%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1103	90%	303	85%	280	97%	54	98%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1103	90%	303	89%	280	94%	54	96%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1103	83%	303	77%	280	94%	54	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1103	83%	303	75%	280	94%	54	98%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1103	85%	303	75%	280	98%	54	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1103	88%	303	84%	280	96%	54	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1103	92%	303	91%	280	96%	54	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1103	79%	303	68%	280	88%	54	96%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1103	65%	303	49%	280	80%	54	96%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1103	74%	303	71%	280	83%	54	93%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1102	59%	302	46%	280	70%	54	92%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1101	85%	302	83%	280	87%	54	96%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1101	79%	302	69%	280	90%	54	94%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1101	51%	302	35%	280	64%	54	89%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1101	65%	302	50%	280	72%	54	90%
N260101	COMPUTE +8, -12 =-6	1223	63%	1101	79%	302	67%	280	95%	54	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1101	71%	302	57%	280	89%	54	98%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1100	52%	302	24%	280	74%	54	96%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1100	66%	302	49%	280	85%	54	98%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1098	42%	302	25%	279	58%	54	86%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1096	38%	302	19%	279	48%	54	92%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1095	67%	282	53%	322	79%	48	94%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1094	58%	282	34%	322	76%	48	98%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1094	62%	282	57%	322	69%	48	73%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1094	96%	282	95%	322	99%	48	98%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1093	62%	282	45%	322	78%	48	98%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1093	47%	282	31%	322	53%	48	90%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1093	55%	282	36%	322	67%	48	92%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1093	62%	282	50%	322	74%	48	88%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1092	54%	282	41%	322	63%	48	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1092	69%	282	60%	322	80%	48	89%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1091	36%	282	18%	322	44%	48	83%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1091	20%	282	7%	322	24%	48	58%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1090	32%	281	18%	322	43%	48	60%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1090	24%	281	13%	322	27%	48	61%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1090	18%	281	7%	322	22%	48	71%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1086	41%	278	22%	322	53%	48	90%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1082	22%	277	6%	322	31%	48	70%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1073	39%	273	33%	319	44%	48	67%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1112	95%	292	94%	313	97%	50	98%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1112	93%	292	93%	313	97%	50	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1112	80%	292	70%	313	90%	50	98%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1112	43%	292	21%	313	57%	50	81%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	68%	1112	78%	292	67%	313	88%	50	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1112	80%	292	69%	313	90%	50	98%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1112	65%	292	49%	313	80%	50	98%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1112	58%	292	36%	313	71%	50	98%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1111	62%	292	42%	313	84%	50	96%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1108	54%	290	30%	313	74%	50	97%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1102	51%	289	34%	312	63%	50	90%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1093	40%	287	27%	309	46%	50	70%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1083	51%	286	36%	303	60%	50	84%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1078	43%	284	32%	303	47%	50	83%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1069	45%	282	31%	302	50%	50	82%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1048	83%	266	77%	301	92%	50	98%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	972	16%	244	2%	274	23%	50	63%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	933	20%	232	9%	263	21%	48	64%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	869	17%	219	8%	249	13%	44	63%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	736	44%	817	46%	204	37%	234	51%	40	77%

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NAEP 1990 TRIAL STATE ASSESSMENT - NEBRASKA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1064	78%	243	76%	302	80%	35	96%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1064	84%	243	84%	302	90%	35	89%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1064	86%	243	80%	302	96%	35	100%
N250901	60 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1064	91%	243	86%	302	96%	35	97%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1064	82%	243	85%	302	91%	35	96%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1064	83%	243	74%	302	94%	35	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1064	84%	243	79%	302	96%	35	96%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1064	89%	243	86%	302	95%	35	96%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1064	93%	243	89%	302	99%	35	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1064	81%	243	74%	302	86%	35	92%
N256801	125% OF 10 IS GREATER THAN 10	1228	53%	1064	63%	243	52%	302	75%	35	86%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1064	75%	243	70%	302	84%	35	91%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1064	61%	243	49%	302	74%	35	86%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1064	84%	243	84%	302	86%	35	97%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1064	74%	243	58%	302	86%	35	96%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1064	58%	243	48%	302	69%	35	82%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1064	60%	243	43%	302	70%	35	96%
N260101	COMPUTE +6, -12 =-6	1223	63%	1064	77%	243	67%	302	92%	35	96%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1064	72%	243	60%	302	87%	35	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1064	55%	243	30%	302	78%	35	94%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1064	67%	243	49%	302	87%	35	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1061	45%	241	31%	301	65%	35	75%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1058	36%	240	17%	300	50%	35	90%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1081	65%	280	55%	292	81%	34	96%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1081	54%	280	40%	292	74%	34	97%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1081	66%	280	60%	292	71%	34	87%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1081	96%	280	95%	292	100%	34	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1081	57%	280	37%	292	76%	34	94%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1081	45%	280	28%	292	59%	34	82%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1081	52%	280	34%	292	66%	34	90%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1081	63%	280	51%	292	77%	34	83%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1081	53%	280	33%	292	71%	34	94%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1081	68%	280	58%	292	85%	34	96%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1080	35%	279	19%	292	43%	34	87%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1080	22%	279	9%	292	31%	34	75%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1080	31%	279	16%	292	45%	34	57%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1079	24%	278	17%	292	27%	34	56%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1078	18%	278	9%	292	23%	34	78%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1070	37%	275	21%	290	50%	34	85%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1067	22%	274	8%	290	31%	34	66%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1063	36%	274	33%	287	43%	34	60%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1082	96%	267	96%	311	99%	27	89%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1082	93%	267	92%	311	97%	27	97%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1082	83%	267	79%	311	90%	27	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1082	48%	267	32%	311	65%	27	70%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1082	78%	267	70%	311	87%	27	97%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1082	80%	267	73%	311	90%	27	94%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1081	66%	267	45%	311	81%	27	96%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1080	60%	266	40%	311	76%	27	92%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1080	63%	266	39%	311	86%	27	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1080	60%	266	35%	311	81%	27	89%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1078	52%	266	36%	311	62%	27	94%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1076	41%	266	29%	310	56%	27	70%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1067	56%	263	46%	308	66%	27	91%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1061	41%	260	36%	306	40%	27	77%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1058	46%	258	33%	306	57%	27	72%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1036	83%	252	76%	297	93%	26	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	954	16%	229	1%	280	24%	26	69%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	907	19%	220	9%	264	25%	25	64%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	841	18%	210	13%	240	15%	22	50%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	783	48%	199	43%	222	57%	18	84%

NAEP 1990 TRIAL STATE ASSESSMENT - NEW HAMPSHIRE
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1114	80%	317	79%	300	87%	47	88%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1114	87%	317	89%	300	96%	47	96%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1114	90%	317	89%	300	96%	47	92%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1114	92%	317	90%	300	95%	47	99%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1114	82%	317	81%	300	92%	47	99%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1114	84%	317	80%	300	95%	47	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1114	86%	317	82%	300	93%	47	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1114	89%	317	88%	300	90%	47	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1114	93%	317	92%	300	99%	47	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1114	75%	317	68%	300	82%	47	96%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1114	63%	317	49%	300	77%	47	96%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1114	75%	317	69%	300	82%	47	96%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1114	58%	317	45%	300	72%	47	94%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1114	84%	317	82%	300	87%	47	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1114	76%	317	68%	300	84%	47	97%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1114	50%	317	39%	300	63%	47	79%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1114	63%	317	53%	300	78%	47	96%
N260101	COMPUTE +6, -12 =-6	1223	63%	1113	74%	317	62%	300	92%	47	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1113	65%	317	52%	300	83%	47	97%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1113	52%	317	28%	300	82%	47	94%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1113	60%	317	41%	300	80%	47	94%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1110	41%	317	29%	298	49%	47	83%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1107	42%	315	25%	298	63%	47	96%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1107	63%	319	51%	271	80%	46	90%
M015501	IF 2/25 = N/500 THEN N = 40	1252	46%	1107	53%	319	37%	271	74%	46	94%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1107	64%	319	62%	271	70%	46	90%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1107	96%	319	94%	271	99%	46	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1107	55%	319	34%	271	74%	46	92%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1107	42%	319	29%	271	52%	46	77%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1107	47%	319	30%	271	62%	46	87%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1107	61%	319	48%	271	78%	46	99%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1107	51%	319	36%	271	64%	46	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1107	64%	319	52%	271	76%	46	94%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1107	32%	319	18%	271	46%	46	78%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1107	21%	319	11%	271	33%	46	59%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1107	36%	319	25%	271	51%	46	76%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1106	23%	319	13%	271	26%	46	63%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1105	17%	319	5%	271	25%	46	65%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1099	39%	316	21%	271	57%	46	84%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1097	22%	316	8%	270	30%	46	68%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1083	36%	313	26%	265	49%	45	56%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1100	97%	297	96%	291	99%	44	93%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1100	94%	297	94%	291	98%	44	97%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1100	80%	297	78%	291	92%	44	95%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1100	38%	297	22%	291	58%	44	90%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1100	78%	297	72%	291	87%	44	98%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1100	75%	297	71%	291	86%	44	89%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1100	64%	297	52%	291	81%	44	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1100	59%	297	44%	291	77%	44	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1099	54%	297	37%	291	77%	44	95%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1098	56%	297	40%	291	73%	44	94%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1091	49%	296	39%	288	58%	44	81%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1078	35%	293	27%	285	47%	44	75%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1066	44%	290	30%	284	59%	44	91%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1053	45%	285	38%	282	43%	44	92%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1041	35%	281	19%	281	46%	44	79%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1010	81%	269	76%	275	92%	44	96%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	910	20%	238	4%	246	32%	40	55%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	852	19%	226	7%	227	22%	38	71%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	787	17%	214	8%	207	12%	36	59%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	718	41%	200	35%	184	48%	33	66%

NAEP 1990 TRIAL STATE ASSESSMENT - NEW JERSEY
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1153	81%	309	78%	242	84%	59	89%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1153	86%	309	87%	242	92%	59	97%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1153	86%	309	83%	242	97%	59	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1153	92%	309	91%	242	92%	59	97%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1153	79%	309	78%	242	90%	59	97%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1153	82%	309	80%	242	94%	59	98%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1153	83%	309	82%	242	96%	59	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1153	84%	309	83%	242	95%	59	98%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1153	91%	309	92%	242	97%	59	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1153	81%	309	75%	242	91%	59	94%
N258601	125% OF 10 IS GREATER THAN 10	1228	53%	1153	62%	309	51%	242	78%	59	97%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1153	72%	309	72%	242	79%	59	90%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1153	60%	309	50%	242	79%	59	86%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1153	85%	309	84%	242	87%	59	95%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1153	74%	309	72%	242	84%	59	95%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	1153	55%	309	45%	242	72%	59	88%
N252101	PERIMETER OF RECTANGLE 6M X 5M IS 26 METERS	1224	58%	1153	65%	309	58%	242	77%	59	94%
N260101	COMPUTE +6, -12 =-6	1223	63%	1153	70%	309	60%	242	90%	59	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1153	73%	309	69%	242	88%	59	98%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1152	49%	309	27%	242	74%	59	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1152	58%	309	40%	242	85%	59	97%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1152	43%	309	36%	242	54%	59	81%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1147	42%	308	25%	241	58%	59	97%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1158	66%	298	55%	241	81%	60	94%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1158	59%	298	44%	241	84%	60	90%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1158	65%	298	56%	241	73%	60	87%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1158	93%	298	94%	241	98%	60	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1158	52%	298	37%	241	73%	60	91%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1157	45%	297	35%	241	57%	60	85%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1157	49%	297	35%	241	73%	60	94%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1157	57%	297	44%	241	76%	60	95%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1157	51%	297	43%	241	62%	60	95%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1158	63%	298	61%	241	76%	60	81%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1156	33%	298	20%	241	46%	60	90%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1156	22%	298	10%	241	34%	60	65%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1156	30%	298	19%	241	38%	60	76%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1155	27%	298	21%	241	29%	60	58%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1154	18%	298	8%	241	29%	60	62%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1147	35%	297	20%	241	46%	60	83%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1142	20%	297	8%	241	25%	60	76%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1127	38%	295	28%	239	51%	60	81%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1164	97%	300	97%	239	99%	54	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1164	94%	300	94%	239	98%	54	98%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1164	79%	300	72%	239	91%	54	94%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1164	43%	300	27%	239	62%	54	91%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1164	74%	300	69%	239	86%	54	98%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1164	79%	300	74%	239	93%	54	98%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1164	63%	300	57%	239	82%	54	98%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1164	54%	300	43%	239	72%	54	89%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1162	56%	300	42%	239	78%	54	96%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1162	55%	300	47%	239	74%	54	95%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1153	51%	297	38%	239	71%	54	94%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1137	43%	296	42%	237	56%	54	67%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1114	45%	293	39%	233	58%	54	87%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1099	41%	289	31%	230	45%	54	84%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1083	41%	285	32%	229	55%	54	82%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1058	76%	278	77%	227	93%	54	93%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	956	16%	250	2%	211	25%	53	61%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	904	21%	238	9%	201	32%	51	72%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	832	21%	218	16%	184	17%	47	54%
M028931	IF 10.3/5.62 = N/4.76 THEN 8.76 IS CLOSEST TO N	738	44%	760	45%	197	40%	171	56%	43	70%

NAEP 1990 TRIAL STATE ASSESSMENT - NEW MEXICO
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1123	79%	346	79%	135	85%	11	74%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1123	85%	346	86%	135	91%	11	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1123	79%	346	80%	135	94%	11	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1123	87%	346	87%	135	92%	11	87%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1123	71%	346	77%	135	92%	11	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1123	77%	346	82%	135	93%	11	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1123	78%	346	82%	135	94%	11	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1123	79%	346	83%	135	92%	11	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1123	88%	346	90%	135	99%	11	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1123	70%	346	68%	135	91%	11	83%
N258601	125% OF 10 IS GREATER THAN 10	1228	53%	1123	53%	346	48%	135	70%	11	92%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1123	69%	346	69%	135	84%	11	83%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1123	48%	346	48%	135	69%	11	93%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1123	84%	346	86%	135	88%	11	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1123	69%	346	70%	135	88%	11	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1123	44%	346	40%	135	70%	11	87%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1123	50%	346	45%	135	72%	11	100%
N260101	COMPUTE +6, -12 =-6	1223	63%	1123	62%	346	61%	135	86%	11	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1123	48%	346	40%	135	90%	11	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1121	40%	346	36%	135	81%	11	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1121	49%	346	49%	135	77%	11	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1118	26%	344	24%	135	40%	11	56%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1116	33%	343	27%	135	63%	11	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	56%	1129	55%	361	56%	133	83%	9	88%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1129	42%	361	40%	133	75%	9	77%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1129	65%	361	63%	133	76%	9	66%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1129	95%	361	97%	133	100%	9	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1129	44%	361	43%	133	81%	9	91%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1129	36%	361	34%	133	44%	9	78%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1129	37%	361	30%	133	75%	9	100%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1129	45%	361	41%	133	72%	9	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1129	41%	361	36%	133	61%	9	74%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1129	58%	361	53%	133	83%	9	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1129	26%	361	18%	133	50%	9	100%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1129	15%	361	10%	133	27%	9	57%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1129	23%	361	20%	133	41%	9	79%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1127	15%	361	13%	132	26%	9	41%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1126	14%	360	9%	132	29%	9	91%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1118	26%	359	22%	131	53%	9	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1113	13%	355	6%	131	31%	9	79%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1099	28%	349	26%	128	38%	9	71%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1123	96%	345	96%	155	99%	16	91%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1123	90%	345	93%	155	96%	16	90%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1123	69%	345	70%	155	90%	16	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1124	29%	345	24%	155	62%	16	100%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1123	67%	345	68%	155	86%	16	93%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1123	71%	345	73%	155	86%	16	77%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1123	57%	345	59%	155	84%	16	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1123	48%	345	46%	155	79%	16	86%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1123	41%	345	37%	155	77%	16	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1122	47%	344	41%	155	84%	16	86%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1105	42%	341	35%	154	72%	16	69%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1084	32%	332	34%	153	53%	16	50%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1108	43%	1066	42%	328	41%	150	67%	16	87%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1045	39%	320	35%	148	45%	16	76%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1019	33%	313	30%	145	60%	16	54%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	973	70%	298	72%	141	92%	16	100%
M028631	MEAT COST: (214,984/52)X2.53 = $10458.83 (RATER 1)	914	13%	834	7%	250	3%	119	18%	14	66%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	784	13%	237	4%	110	24%	13	67%
M028631	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	717	16%	211	10%	101	12%	13	66%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	629	41%	183	41%	89	60%	10	79%

NAEP 1990 TRIAL STATE ASSESSMENT - NEW YORK
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	987	81%	264	79%	180	89%	37	94%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	987	83%	264	85%	180	91%	37	97%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	987	84%	264	83%	180	93%	37	98%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	987	90%	264	91%	180	93%	37	98%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	987	74%	264	73%	180	91%	37	95%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	987	81%	264	81%	180	96%	37	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	987	82%	264	84%	180	96%	37	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	987	84%	264	87%	180	96%	37	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	985	90%	264	91%	180	98%	37	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	985	77%	264	76%	180	91%	37	97%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	985	52%	264	46%	180	63%	37	91%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	985	69%	264	69%	180	79%	37	96%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1228	49%	985	52%	264	47%	180	75%	37	98%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	985	84%	264	85%	180	88%	37	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	985	71%	264	72%	180	87%	37	97%
N265901	ONE LITER IS 1000 MILLILITERS	1225	50%	985	52%	264	47%	180	72%	37	88%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	984	65%	264	59%	180	78%	37	96%
N260101	COMPUTE +6, -12 =-6	1223	63%	983	68%	263	63%	180	92%	37	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	982	70%	263	65%	180	96%	37	96%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	982	46%	263	36%	180	75%	37	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	982	52%	263	38%	180	86%	37	98%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	981	41%	262	29%	180	61%	37	97%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	976	34%	260	18%	180	59%	37	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	987	59%	271	53%	191	82%	41	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	987	53%	271	46%	191	81%	41	97%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	987	63%	271	64%	191	69%	41	90%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	987	89%	271	91%	191	99%	41	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	987	45%	271	34%	191	72%	41	94%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	986	45%	271	42%	191	54%	41	84%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	986	45%	271	33%	191	71%	41	91%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	986	66%	271	65%	191	85%	41	95%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	986	48%	271	41%	191	67%	41	91%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	986	61%	271	59%	191	79%	41	98%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	986	27%	271	17%	191	43%	41	94%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	986	16%	271	9%	191	24%	41	54%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	984	22%	270	13%	191	36%	41	70%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	981	22%	270	14%	190	31%	41	77%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	979	15%	270	8%	190	29%	41	71%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	971	31%	266	23%	189	49%	41	87%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	961	14%	263	5%	188	26%	41	60%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	949	45%	260	48%	186	59%	41	77%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	984	96%	269	96%	185	97%	31	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	984	91%	269	95%	185	99%	31	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	984	77%	269	78%	185	85%	31	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	984	39%	269	29%	185	72%	31	94%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	984	71%	269	74%	185	91%	31	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	983	72%	269	74%	185	90%	31	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	982	55%	269	50%	185	84%	31	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	982	53%	269	45%	185	79%	31	91%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	976	44%	269	37%	185	75%	31	95%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	974	45%	269	41%	185	80%	31	94%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	956	46%	264	40%	185	65%	31	94%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	932	33%	259	36%	183	47%	30	78%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	910	36%	251	33%	180	52%	30	88%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	887	42%	239	35%	179	47%	30	96%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	878	34%	238	32%	177	53%	30	85%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	843	70%	227	75%	172	92%	30	97%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	744	13%	197	4%	153	24%	28	81%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	687	15%	182	7%	136	17%	27	72%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	613	18%	164	6%	119	18%	25	69%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	542	45%	144	43%	106	60%	23	90%

NAEP 1990 TRIAL STATE ASSESSMENT - NORTH CAROLINA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 48 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1219	78%	329	78%	136	88%	9	86%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1219	76%	329	76%	136	91%	9	89%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1219	79%	329	82%	136	96%	9	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1219	90%	329	90%	136	96%	9	88%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1219	69%	329	73%	136	91%	9	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1219	73%	329	84%	136	96%	9	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1219	75%	329	85%	136	96%	9	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1219	79%	329	87%	136	95%	9	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1219	83%	329	86%	136	99%	9	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1219	64%	329	61%	136	87%	9	89%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1219	52%	329	51%	136	70%	9	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1219	63%	329	65%	136	82%	9	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1219	51%	329	54%	136	83%	9	89%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1219	81%	329	79%	136	82%	9	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1219	66%	329	70%	136	87%	9	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1219	42%	329	42%	136	63%	9	75%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1219	46%	329	47%	136	67%	9	76%
N260101	COMPUTE +8, -12 =-6	1223	63%	1218	59%	329	62%	136	99%	9	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1218	57%	329	63%	136	93%	9	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1216	38%	329	31%	136	85%	9	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1215	41%	329	41%	136	77%	9	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1210	34%	326	33%	136	57%	9	80%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1206	35%	326	29%	136	85%	9	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1220	52%	332	58%	154	82%	12	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1220	38%	332	38%	154	69%	12	76%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1220	61%	332	62%	154	76%	12	92%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1220	90%	332	93%	154	99%	12	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1220	37%	332	37%	154	73%	12	91%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1220	39%	332	38%	154	56%	12	74%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1220	36%	332	33%	154	75%	12	93%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1220	45%	332	45%	154	74%	12	84%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1220	35%	332	32%	154	63%	12	100%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1220	57%	332	55%	154	81%	12	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1219	25%	331	19%	154	47%	12	77%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1219	17%	331	13%	154	37%	12	70%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1217	21%	330	19%	154	42%	12	76%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1216	17%	330	12%	154	29%	12	84%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1214	12%	330	6%	154	28%	12	77%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1202	29%	327	27%	151	53%	12	91%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1195	11%	326	6%	149	32%	12	50%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1176	26%	320	28%	147	45%	12	39%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1217	94%	337	95%	134	98%	8	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1216	90%	337	98%	134	99%	8	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1216	70%	337	73%	134	89%	8	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1216	33%	337	31%	134	77%	8	88%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1216	64%	337	74%	134	89%	8	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1216	69%	337	75%	134	87%	8	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1216	49%	337	54%	134	83%	8	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1215	44%	337	51%	134	75%	8	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1213	42%	337	42%	134	86%	8	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1210	43%	336	50%	134	77%	8	88%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1188	37%	330	38%	133	57%	8	84%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1157	30%	318	36%	131	55%	8	50%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1120	32%	312	33%	126	50%	8	74%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1095	35%	305	33%	123	42%	8	100%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1058	26%	291	25%	123	53%	8	84%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1017	63%	278	72%	122	95%	8	88%
M028631	MEAT COST: (214,984/52)X2.53 = $10458.83 (RATER 1)	914	13%	856	9%	223	3%	104	19%	8	77%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	779	11%	203	7%	96	16%	7	86%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	698	16%	187	11%	85	14%	6	36%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	615	41%	159	38%	76	47%	6	68%

NAEP 1990 TRIAL STATE ASSESSMENT - NORTH DAKOTA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (BAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1073	80%	228	79%	360	81%	34	99%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1073	91%	228	85%	360	94%	34	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	61%	1073	92%	228	82%	360	96%	34	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1073	91%	228	89%	360	93%	34	90%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1073	86%	228	79%	360	92%	34	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1073	90%	228	84%	360	94%	34	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1073	87%	228	80%	360	95%	34	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1073	89%	228	81%	360	94%	34	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1073	94%	228	89%	360	98%	34	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1073	89%	228	85%	360	92%	34	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1073	70%	228	59%	360	82%	34	97%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1073	75%	228	65%	360	75%	34	93%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1073	65%	228	51%	360	77%	34	98%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1073	86%	228	85%	360	87%	34	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1073	81%	228	68%	360	89%	34	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1073	65%	228	47%	360	76%	34	77%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1073	69%	226	50%	360	80%	34	94%
N260101	COMPUTE +6, -12 =-6	1223	63%	1073	79%	226	64%	360	87%	34	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1073	73%	226	50%	360	87%	34	99%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1072	50%	225	23%	360	63%	34	90%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1072	70%	225	51%	360	85%	34	92%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1070	50%	225	34%	360	62%	34	83%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1068	39%	225	18%	360	50%	34	93%
M015401	150 MINUTES = 2 1/2 HOURS	1252	56%	1082	71%	208	58%	370	82%	38	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1082	63%	208	40%	370	75%	38	93%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	56%	1082	69%	208	58%	370	75%	38	96%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1082	95%	208	93%	370	98%	38	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1082	66%	208	42%	370	76%	38	96%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1082	43%	208	37%	370	42%	38	79%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1082	57%	208	39%	370	66%	38	94%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1082	68%	208	61%	370	70%	38	99%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1082	58%	208	41%	370	68%	38	94%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	56%	1082	69%	208	54%	370	75%	38	93%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1082	38%	208	17%	370	46%	38	93%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1082	24%	208	8%	370	31%	38	71%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1059	35%	206	20%	370	37%	38	67%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1056	29%	205	13%	370	33%	38	76%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1054	16%	204	8%	370	16%	38	54%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 301 DOTS	1208	33%	1052	44%	204	23%	369	52%	38	96%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1047	22%	202	5%	367	27%	38	68%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1031	35%	201	30%	360	38%	38	69%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1086	96%	211	98%	379	100%	29	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	86%	1086	94%	211	89%	379	99%	29	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1086	84%	211	78%	379	91%	29	97%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1087	49%	211	22%	380	60%	29	74%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1087	78%	211	75%	380	85%	29	95%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	66%	1087	82%	211	72%	380	91%	29	93%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1086	71%	211	52%	380	81%	29	96%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1086	62%	211	45%	380	75%	29	86%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1085	70%	211	56%	380	82%	29	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1084	58%	211	36%	380	75%	29	92%
M028031	($14.95 + $5.85 + $9.70) X .06 = $2.33	1149	44%	1083	59%	211	39%	380	72%	29	96%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1056	44%	209	28%	378	50%	29	75%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1108	43%	1060	59%	207	42%	377	68%	29	93%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1043	44%	207	35%	373	50%	29	85%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1036	36%	205	17%	372	40%	29	77%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1010	82%	199	71%	364	88%	29	95%
M028631	MEAT COST: (214,994/58)X2.59 = $10499.93 (RATER 1)	914	13%	914	22%	178	1%	335	30%	29	65%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	881	16%	871	26%	170	11%	321	27%	28	78%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	803	17%	154	12%	293	19%	28	41%
M028931	IF 10.3/5.62 = N/4.76 THEN 8.78 IS CLOSEST TO N	738	44%	736	58%	145	50%	264	64%	27	84%

NAEP 1990 TRIAL STATE ASSESSMENT - OHIO
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (BAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1142	79%	375	77%	218	88%	36	91%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1142	83%	375	83%	218	92%	36	94%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1142	84%	375	79%	218	97%	36	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1142	91%	375	93%	218	93%	36	97%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1142	80%	375	80%	218	93%	36	92%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1142	81%	375	80%	218	95%	36	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1142	81%	375	79%	218	95%	36	97%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1142	84%	375	85%	218	92%	36	89%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1142	89%	375	89%	218	100%	36	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1142	73%	375	70%	218	81%	36	97%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1142	56%	375	51%	218	77%	36	91%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1141	74%	375	73%	218	84%	36	95%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1141	53%	375	43%	218	71%	36	92%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1141	84%	375	82%	218	82%	36	95%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1141	68%	375	65%	218	86%	36	92%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1141	50%	375	44%	218	66%	36	87%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1141	58%	375	48%	218	74%	36	94%
N260101	COMPUTE +6, -12 =-6	1223	63%	1141	65%	375	55%	218	91%	36	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1141	56%	375	44%	218	86%	36	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1141	44%	375	30%	218	78%	36	95%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1141	58%	375	48%	218	85%	36	94%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1137	31%	375	24%	218	47%	36	71%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1136	36%	375	22%	218	64%	36	97%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1148	62%	354	59%	231	78%	27	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1148	50%	354	34%	231	76%	27	87%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1148	63%	354	63%	231	69%	27	86%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1147	93%	354	95%	231	100%	27	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1146	50%	354	38%	231	75%	27	94%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1146	40%	354	34%	231	53%	27	91%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1146	44%	354	29%	231	67%	27	97%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1146	56%	354	47%	231	75%	27	89%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1146	46%	354	36%	231	64%	27	100%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1146	63%	354	59%	231	81%	27	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1146	29%	354	14%	231	44%	27	93%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1145	21%	354	12%	231	36%	27	62%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1143	27%	353	17%	231	41%	27	77%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1142	19%	352	12%	231	25%	27	54%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1136	16%	347	7%	231	28%	27	60%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1130	37%	345	24%	230	57%	27	86%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1128	18%	344	7%	230	35%	27	69%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1119	33%	341	34%	227	43%	27	61%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1132	96%	381	96%	211	98%	35	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1131	92%	381	94%	211	97%	35	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1131	73%	381	74%	211	84%	35	92%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1198	32%	1131	33%	381	22%	211	58%	35	86%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1131	71%	381	66%	211	89%	35	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1130	74%	381	68%	211	87%	35	95%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1130	59%	381	53%	211	81%	35	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1130	52%	381	44%	211	75%	35	91%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1129	50%	381	36%	211	77%	35	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1127	49%	380	39%	211	76%	35	93%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1121	50%	377	40%	210	68%	35	90%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1110	39%	369	35%	210	54%	35	73%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1102	45%	362	37%	209	66%	35	86%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1093	38%	358	33%	209	40%	35	90%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1078	29%	352	24%	207	48%	35	77%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1051	76%	342	72%	205	88%	35	95%
M028631	MEAT COST: (214,984/52)X2.53 = $10458.83 (RATER 1)	914	13%	939	15%	299	3%	181	29%	35	76%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	869	20%	271	6%	168	34%	31	66%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	786	16%	250	11%	148	15%	29	56%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	722	46%	233	43%	135	56%	24	81%

NAEP 1990 TRIAL STATE ASSESSMENT - OKLAHOMA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	958	82%	318	79%	177	86%	17	100%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	958	84%	318	85%	177	90%	17	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	958	85%	318	82%	177	97%	17	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	958	91%	318	90%	177	95%	17	95%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	958	80%	318	82%	177	95%	17	82%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	958	81%	318	80%	177	94%	17	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	958	82%	318	85%	177	94%	17	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	958	81%	318	77%	177	94%	17	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	958	91%	318	88%	177	100%	17	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	958	76%	318	72%	177	86%	17	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	958	57%	318	50%	177	77%	17	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	958	69%	318	69%	177	81%	17	96%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	958	55%	318	48%	177	78%	17	90%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	958	84%	318	86%	177	85%	17	80%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	958	65%	318	62%	177	87%	17	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	958	54%	318	48%	177	74%	17	81%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	958	57%	318	51%	177	72%	17	78%
N260101	COMPUTE +6, -12 =-6	1223	63%	958	71%	318	66%	177	93%	17	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	958	60%	318	53%	177	91%	17	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	957	46%	318	31%	177	79%	17	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	957	51%	318	43%	177	80%	17	94%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	954	35%	317	26%	177	54%	17	82%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	950	33%	316	21%	177	61%	17	95%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	954	58%	311	48%	172	82%	11	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	954	50%	311	41%	172	75%	11	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	954	65%	311	62%	172	74%	11	100%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	954	94%	311	93%	172	99%	11	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	954	49%	311	40%	172	80%	11	100%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	954	41%	311	32%	172	55%	11	69%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	954	41%	311	28%	172	71%	11	86%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	954	53%	311	47%	172	79%	11	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	954	44%	311	35%	172	64%	11	93%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	954	61%	311	54%	172	77%	11	73%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	954	26%	311	16%	172	43%	11	85%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	954	20%	311	12%	172	36%	11	57%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	954	22%	311	15%	172	37%	11	71%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	954	20%	311	17%	172	30%	11	53%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	954	13%	311	8%	172	23%	11	50%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	950	33%	309	26%	172	63%	11	87%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	947	15%	309	8%	172	35%	11	64%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	938	31%	307	25%	168	41%	11	42%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	954	95%	287	94%	194	99%	15	94%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	954	92%	287	96%	194	98%	15	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	954	74%	287	69%	194	87%	15	94%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	954	42%	287	31%	194	70%	15	82%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	954	72%	287	68%	194	85%	15	94%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	954	75%	287	75%	194	91%	15	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	954	58%	287	52%	194	84%	15	94%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	953	51%	287	43%	194	75%	15	92%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	951	51%	287	39%	194	82%	15	94%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	951	50%	287	42%	194	74%	15	100%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	943	48%	283	35%	194	72%	15	88%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	934	37%	278	30%	191	55%	15	70%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	924	45%	275	39%	189	65%	15	81%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	909	38%	270	30%	186	43%	15	81%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	894	31%	264	27%	186	54%	15	54%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	859	73%	257	73%	181	94%	15	85%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	743	11%	218	2%	152	30%	14	36%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	686	16%	196	11%	139	26%	14	53%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	624	17%	174	11%	124	18%	13	59%
M028931	IF 10.3/5.62 = N/4.76 THEN 8.76 IS CLOSEST TO N	738	44%	542	42%	160	41%	99	51%	12	86%

NAEP 1990 TRIAL STATE ASSESSMENT - OREGON
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1167	80%	339	77%	278	85%	51	90%
N277802	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1167	87%	339	86%	278	91%	51	93%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1167	89%	339	85%	278	97%	51	98%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1167	90%	339	89%	278	93%	51	98%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1167	81%	339	79%	278	93%	51	98%
N296201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1167	80%	339	76%	278	95%	51	100%
N256101	THE VALUE OF N ÷ 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1167	83%	339	82%	278	96%	51	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1167	87%	339	83%	278	95%	51	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1167	92%	339	92%	278	97%	51	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1167	70%	339	63%	278	83%	51	100%
N258601	125% OF 10 IS GREATER THAN 10	1228	53%	1167	61%	339	48%	278	78%	51	96%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1167	74%	339	69%	278	83%	51	92%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1167	57%	339	49%	278	73%	51	90%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1167	84%	339	84%	278	87%	51	93%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1167	75%	339	71%	278	87%	51	92%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1167	47%	339	36%	278	60%	51	77%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1167	60%	339	50%	278	73%	51	91%
N260101	COMPUTE +8, -12 =-6	1223	63%	1166	72%	339	63%	278	91%	51	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1165	64%	339	53%	278	85%	51	92%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	36%	1164	48%	339	29%	278	76%	51	86%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1164	63%	339	50%	278	84%	51	96%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1158	37%	337	27%	276	49%	51	76%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1156	37%	336	18%	276	56%	51	96%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1157	63%	330	50%	288	77%	51	96%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1157	45%	330	34%	288	62%	51	80%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1157	63%	330	61%	288	70%	51	80%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1157	95%	330	95%	288	98%	51	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1157	52%	330	33%	288	72%	51	98%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1157	45%	330	31%	288	56%	51	83%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1157	47%	330	31%	288	64%	51	84%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1157	60%	330	47%	288	77%	51	95%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1156	55%	329	41%	288	71%	51	92%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1156	69%	329	57%	288	81%	51	96%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1155	36%	329	15%	288	51%	51	86%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1155	18%	329	9%	288	24%	51	39%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1155	34%	329	23%	288	46%	51	69%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1153	23%	328	14%	288	28%	51	67%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1147	19%	325	9%	287	24%	50	62%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1133	42%	319	26%	283	53%	50	87%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1125	21%	317	8%	282	28%	50	77%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1109	38%	313	30%	276	49%	50	71%
M027031	(150 / 3) ÷ (6 X 2) = 62	1197	94%	1156	96%	341	97%	243	97%	48	100%
M027131	IF N ÷ N ÷ N = 60, THEN VALUE OF N = 20	1196	88%	1156	92%	341	92%	243	97%	48	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1156	72%	341	68%	243	77%	48	93%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1156	34%	341	20%	243	53%	48	89%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1156	74%	341	67%	243	90%	48	92%
M027531	3 X (BOX ÷ 5) = 30 BOX = 5	1192	68%	1156	74%	341	69%	243	85%	48	92%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1156	65%	341	51%	243	86%	48	98%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1156	56%	341	45%	243	77%	48	93%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1156	50%	341	36%	243	74%	48	93%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1153	57%	340	43%	243	83%	48	95%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1140	47%	331	34%	242	64%	48	86%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1125	32%	324	21%	241	47%	48	55%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1112	48%	320	36%	238	60%	47	79%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1091	38%	309	29%	237	50%	47	76%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1075	41%	306	25%	235	56%	47	89%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1032	79%	295	73%	228	93%	46	93%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	911	10%	253	3%	202	16%	38	46%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	855	18%	239	8%	191	24%	34	67%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	781	18%	214	15%	162	13%	31	55%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	681	39%	192	33%	140	52%	29	66%

NAEP 1990 TRIAL STATE ASSESSMENT - PENNSYLVANIA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1077	82%	281	84%	244	90%	29	95%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1077	85%	281	83%	244	91%	29	91%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1077	86%	281	85%	244	96%	29	96%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1077	90%	281	90%	244	97%	29	94%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1077	82%	281	85%	244	90%	29	100%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1077	81%	281	79%	244	94%	29	100%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1077	79%	281	77%	244	94%	29	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1077	86%	281	80%	244	95%	29	100%
N266201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1077	91%	281	92%	244	99%	29	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1076	76%	281	71%	244	88%	29	97%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1076	61%	281	52%	244	75%	29	95%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1076	73%	281	67%	244	83%	29	95%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1076	60%	281	56%	244	77%	29	89%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1076	87%	281	86%	244	91%	29	87%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1076	71%	281	66%	244	87%	29	89%
N266601	ONE LITER IS 1000 MILILITERS	1225	50%	1076	55%	281	43%	244	75%	29	92%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1075	62%	281	53%	244	78%	29	97%
N260101	COMPUTE +8, -12 =-8	1223	63%	1074	69%	281	55%	244	94%	29	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1074	63%	281	55%	244	90%	29	95%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1074	49%	281	32%	244	79%	29	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1074	55%	281	45%	244	77%	29	93%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1073	38%	280	26%	244	58%	29	87%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1071	43%	280	25%	244	75%	29	96%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1072	62%	280	58%	253	79%	30	88%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1071	52%	280	41%	252	75%	30	83%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1071	66%	280	62%	252	77%	30	83%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1071	92%	280	93%	252	97%	30	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1071	46%	280	36%	252	72%	30	94%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1071	44%	280	36%	252	65%	30	83%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1071	44%	280	27%	252	70%	30	89%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1071	51%	280	43%	252	71%	30	86%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1070	49%	280	40%	252	70%	30	89%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1070	63%	280	59%	252	78%	30	93%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1068	30%	280	17%	252	46%	30	83%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1067	16%	280	9%	252	28%	30	55%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1067	26%	280	18%	252	38%	30	70%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1065	22%	280	14%	252	28%	30	74%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1064	15%	279	6%	252	24%	30	65%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1054	34%	277	19%	251	53%	30	88%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1051	18%	277	7%	250	32%	30	84%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1040	34%	278	28%	245	48%	30	71%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1080	97%	285	96%	260	96%	35	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1080	91%	285	92%	260	96%	35	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1080	78%	285	72%	260	84%	35	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1080	37%	285	26%	260	63%	35	94%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1080	74%	285	69%	260	86%	35	97%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1079	75%	285	72%	260	91%	35	97%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1079	63%	285	54%	260	87%	35	97%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1077	56%	285	49%	260	74%	35	94%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1075	55%	285	37%	260	84%	35	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1070	51%	284	37%	260	75%	35	90%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1060	47%	282	35%	260	63%	35	97%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1129	31%	1045	39%	277	30%	257	50%	35	74%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1108	43%	1032	44%	272	36%	255	56%	35	87%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1019	42%	268	33%	252	46%	34	94%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1001	30%	265	18%	252	40%	34	82%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	973	76%	255	73%	249	95%	34	91%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	864	14%	218	1%	224	25%	32	62%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	804	19%	200	8%	213	26%	28	79%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	731	19%	184	11%	193	18%	25	62%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	651	40%	164	41%	175	45%	20	54%

NAEP 1990 TRIAL STATE ASSESSMENT - RHODE ISLAND
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (BAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276603	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	79%	1131	80%	308	79%	235	84%	23	92%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1131	86%	308	87%	235	93%	23	96%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1131	85%	308	84%	235	96%	23	97%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1131	89%	308	90%	235	96%	23	96%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1131	75%	308	78%	235	95%	23	96%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1131	78%	308	80%	235	93%	23	100%
N258101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1131	77%	308	78%	235	96%	23	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1131	83%	308	86%	235	96%	23	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1131	89%	308	90%	235	96%	23	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1131	67%	308	62%	235	86%	23	95%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1131	51%	308	44%	235	69%	23	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	66%	1131	69%	308	65%	235	84%	23	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1228	49%	1131	50%	308	47%	235	74%	23	95%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	62%	1131	63%	308	63%	235	87%	23	90%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1131	67%	308	65%	235	83%	23	96%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1131	49%	308	40%	235	73%	23	90%
N252101	PERIMETER OF RECTANGLE 6M X 5M IS 26 METERS	1224	56%	1131	53%	308	47%	235	72%	23	92%
N260101	COMPUTE +6, -12 =-6	1223	63%	1131	63%	308	55%	235	93%	23	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1131	60%	308	53%	235	89%	23	96%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1131	47%	308	35%	235	85%	23	95%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1129	51%	308	41%	235	85%	23	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1128	34%	307	28%	235	51%	23	86%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1123	43%	305	28%	236	78%	23	97%
M015401	150 MINUTES = 2 1/2 HOURS	1252	56%	1133	59%	303	56%	208	78%	24	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1133	46%	303	36%	208	74%	24	95%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1133	64%	303	63%	208	78%	24	80%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1133	92%	303	94%	208	99%	24	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1133	44%	303	37%	208	72%	24	71%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1133	41%	303	36%	208	61%	24	79%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1133	43%	303	35%	208	71%	24	96%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1133	49%	303	47%	208	70%	24	88%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1133	44%	303	37%	208	62%	24	88%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1133	58%	303	48%	208	79%	24	99%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1133	30%	303	16%	208	50%	24	95%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1131	18%	303	9%	208	35%	24	57%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1129	28%	303	23%	208	36%	24	64%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1129	18%	303	12%	208	25%	24	70%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1129	15%	303	6%	208	31%	24	89%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1120	35%	300	26%	205	58%	24	95%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1118	16%	300	8%	205	34%	24	72%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1104	32%	296	32%	203	40%	24	78%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1144	96%	297	96%	218	98%	23	96%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1144	91%	297	95%	218	100%	23	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1144	73%	297	70%	218	85%	23	96%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1144	35%	297	26%	218	67%	23	81%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1196	68%	1144	72%	297	71%	218	89%	23	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1144	72%	297	71%	218	90%	23	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1141	59%	297	49%	218	81%	23	96%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1139	53%	297	40%	218	83%	23	95%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1137	48%	297	39%	218	77%	23	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1136	51%	297	46%	218	81%	23	93%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1129	47%	294	35%	218	68%	23	89%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1118	35%	290	33%	217	51%	23	70%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1108	43%	1107	42%	287	36%	216	59%	22	92%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1086	38%	281	35%	215	46%	22	86%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1072	29%	279	18%	213	43%	22	72%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1048	71%	272	70%	210	92%	21	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	936	15%	249	4%	187	30%	20	90%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	881	17%	236	5%	170	32%	19	78%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	813	19%	217	13%	152	14%	19	48%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	791	42%	202	37%	136	53%	18	73%

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NAEP 1990 TRIAL STATE ASSESSMENT - TEXAS
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 48 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1092	80%	318	80%	152	84%	23	90%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1092	84%	318	81%	152	94%	23	91%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1092	77%	318	72%	152	96%	23	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1092	91%	318	90%	152	95%	23	95%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1092	73%	318	75%	152	95%	23	96%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1092	76%	318	79%	152	93%	23	96%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1092	79%	318	79%	152	94%	23	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1092	81%	318	83%	152	96%	23	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1092	92%	318	94%	152	99%	23	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1092	83%	318	81%	152	94%	23	100%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1092	54%	318	41%	152	81%	23	92%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1092	65%	318	65%	152	76%	23	92%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1092	45%	318	37%	152	76%	23	90%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1092	85%	318	86%	152	91%	23	100%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1092	63%	318	55%	152	88%	23	95%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1092	50%	318	50%	152	72%	23	92%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1092	64%	318	64%	152	68%	23	91%
N260101	COMPUTE +6, -12 =-6	1223	63%	1092	61%	318	58%	152	95%	23	96%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1092	57%	318	53%	152	89%	23	96%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1092	40%	318	29%	152	84%	23	100%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1090	51%	318	45%	152	88%	23	96%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1086	33%	318	26%	152	54%	23	82%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1084	31%	317	20%	152	68%	23	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1076	56%	311	55%	171	81%	21	83%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1076	49%	311	44%	171	76%	21	91%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1076	66%	311	69%	171	74%	21	91%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1076	92%	311	93%	171	99%	21	98%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1076	43%	311	37%	171	71%	21	87%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1076	41%	311	33%	171	56%	21	95%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1076	37%	311	30%	171	68%	21	92%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1076	55%	311	53%	171	71%	21	87%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1076	39%	311	37%	171	55%	21	94%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1076	61%	311	51%	171	88%	21	74%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1076	27%	311	18%	171	43%	21	87%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1076	16%	311	11%	171	27%	21	43%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1075	20%	311	16%	171	36%	21	69%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1075	19%	311	14%	171	21%	21	64%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1073	12%	311	7%	171	24%	21	53%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1062	32%	307	26%	171	49%	21	66%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1053	15%	307	6%	171	32%	21	73%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1033	33%	301	34%	167	39%	21	71%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1092	96%	313	96%	173	98%	29	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1092	87%	313	92%	173	96%	29	98%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1092	77%	313	75%	173	90%	29	90%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1092	33%	313	25%	173	59%	29	65%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	68%	1092	70%	313	63%	173	87%	29	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1091	75%	313	72%	173	90%	29	93%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1091	55%	313	51%	173	89%	29	94%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1089	47%	313	41%	173	68%	29	93%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1089	47%	313	42%	173	77%	29	97%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1086	47%	312	40%	173	78%	29	90%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1065	46%	303	40%	173	70%	29	90%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1046	34%	300	31%	173	42%	29	83%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1021	43%	294	37%	172	66%	29	90%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1006	39%	287	32%	170	49%	29	90%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	984	36%	282	29%	167	65%	29	76%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	937	71%	269	73%	161	89%	29	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	791	10%	224	4%	134	16%	29	57%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	706	15%	204	7%	117	22%	24	80%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	625	16%	185	14%	100	19%	20	55%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	536	41%	159	34%	90	55%	18	68%

NAEP 1990 TRIAL STATE ASSESSMENT - VIRGINIA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1139	81%	308	78%	208	87%	50	86%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1139	85%	308	86%	208	93%	50	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1138	83%	308	80%	208	96%	50	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1138	89%	308	90%	208	93%	50	96%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1138	77%	308	79%	208	89%	50	98%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1138	81%	308	86%	208	94%	50	100%
N258101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1138	81%	308	81%	208	94%	50	96%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1138	86%	308	83%	208	97%	50	98%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1138	93%	308	93%	208	98%	50	98%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1138	71%	308	69%	208	86%	50	96%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1138	54%	308	47%	208	67%	50	98%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1138	71%	308	67%	208	84%	50	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1138	60%	308	57%	208	79%	50	90%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1138	86%	308	87%	208	88%	50	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1138	67%	308	61%	208	83%	50	98%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1138	50%	308	42%	208	80%	50	76%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1137	63%	308	57%	208	81%	50	95%
N260101	COMPUTE +6, -12 =-6	1223	63%	1137	66%	308	62%	208	91%	50	96%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1137	60%	308	51%	208	89%	50	97%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1137	47%	308	29%	208	77%	50	96%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1137	54%	308	46%	208	84%	50	98%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1132	37%	306	25%	208	55%	50	89%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1128	47%	304	34%	208	79%	50	95%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1137	58%	288	55%	213	73%	47	95%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1137	46%	288	39%	213	73%	47	96%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1137	61%	288	60%	213	64%	47	84%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1137	93%	288	95%	213	99%	47	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1137	45%	288	32%	213	72%	47	92%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1137	44%	288	41%	213	53%	47	77%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1137	44%	288	39%	213	67%	47	92%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1136	51%	288	41%	213	69%	47	98%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1136	45%	288	37%	213	60%	47	91%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1136	62%	288	57%	213	79%	47	78%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1136	32%	288	14%	213	49%	47	93%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1134	22%	288	12%	211	31%	47	79%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1133	25%	288	15%	211	36%	47	84%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1132	24%	288	15%	210	30%	47	68%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1130	18%	288	9%	210	26%	47	62%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1118	36%	288	23%	208	57%	46	94%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1112	18%	286	7%	208	34%	46	81%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1103	35%	284	28%	207	48%	44	85%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1142	95%	314	97%	232	97%	48	98%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1142	92%	314	94%	232	97%	48	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1142	73%	314	68%	232	86%	48	94%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1142	42%	314	32%	232	64%	48	91%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1142	71%	314	71%	232	82%	48	98%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1142	76%	314	75%	232	89%	48	93%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1142	60%	314	52%	232	80%	48	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1142	53%	314	45%	232	73%	48	91%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1142	48%	314	42%	232	70%	48	95%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1136	52%	312	42%	232	78%	48	93%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1127	46%	307	36%	232	59%	48	83%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1109	38%	301	32%	232	51%	48	77%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1077	43%	291	39%	225	61%	48	90%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1084	39%	284	30%	224	40%	48	81%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1042	43%	279	35%	223	61%	48	97%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1010	74%	272	72%	219	95%	48	94%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	870	17%	228	4%	191	26%	47	67%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	820	20%	207	6%	180	24%	45	82%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	737	21%	186	9%	157	18%	41	70%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.78 IS CLOSEST TO N	738	44%	859	44%	162	31%	137	55%	38	95%

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NAEP 1990 TRIAL STATE ASSESSMENT - WEST VIRGINIA
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1114	80%	382	84%	144	86%	10	89%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1114	81%	382	83%	144	91%	10	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1114	81%	382	80%	144	96%	10	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1114	91%	382	91%	144	97%	10	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1114	75%	382	79%	144	96%	10	100%
N266201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1114	78%	382	81%	144	96%	10	91%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1114	70%	382	66%	144	99%	10	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1114	82%	382	83%	144	94%	10	90%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1114	86%	382	91%	144	96%	10	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1114	65%	382	63%	144	73%	10	91%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1114	53%	382	52%	144	68%	10	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	69%	1114	66%	382	69%	144	79%	10	100%
N266602	WRITE 3 3/10 AS 3.3 (RATER 1)	1228	49%	1114	49%	382	51%	144	78%	10	90%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1114	84%	382	87%	144	91%	10	92%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1114	62%	382	64%	144	80%	10	90%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1114	46%	382	44%	144	73%	10	90%
N252101	PERIMETER OF RECTANGLE 6M X 5M IS 26 METERS	1224	58%	1114	50%	382	46%	144	72%	1	100%
N260101	COMPUTE +6, -12 =-6	1223	63%	1113	60%	381	59%	144	96%	1	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1113	50%	381	47%	144	89%	1	100%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1112	37%	381	28%	144	80%	1	100%
N266301	.075 IS BETWEEN .07 AND .08	1214	51%	1112	51%	381	53%	144	77%	1	100%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1208	37%	1108	31%	381	25%	143	48%	10	72%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1104	33%	379	28%	143	81%	1	100%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1112	58%	375	57%	138	83%	1	100%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1112	41%	375	40%	138	77%	1	100%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1112	65%	375	66%	138	77%	13	95%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1112	94%	375	96%	138	99%	1	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1112	37%	375	29%	138	74%	13	92%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1112	37%	375	31%	138	59%	13	92%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1112	36%	375	32%	138	66%	13	74%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1112	48%	375	45%	138	76%	1	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1112	38%	375	34%	138	63%	13	93%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1112	58%	375	54%	138	84%	1	100%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1112	26%	375	16%	138	54%	1	100%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1112	16%	375	12%	138	34%	13	47%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1110	22%	373	14%	138	47%	13	92%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1109	17%	373	14%	137	26%	13	60%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1109	12%	373	7%	137	28%	13	74%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1104	28%	371	21%	136	55%	1	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1101	12%	370	8%	136	32%	13	92%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1097	28%	368	26%	135	44%	13	68%
M027031	(150 / 3) + (8 X 2) = 62	1197	94%	1096	95%	367	96%	158	99%	9	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1096	89%	367	95%	158	99%	9	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1096	72%	367	73%	158	90%	9	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1096	28%	367	21%	158	54%	9	89%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1096	66%	367	66%	158	86%	9	89%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1096	69%	367	69%	158	90%	9	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN = 7 INCHES	1189	56%	1096	54%	367	54%	158	86%	9	100%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1096	50%	367	47%	158	82%	9	100%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1093	46%	366	44%	158	89%	9	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1091	43%	366	43%	158	79%	9	89%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1080	41%	362	38%	157	70%	9	90%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1066	32%	358	32%	157	48%	9	86%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1108	43%	1051	39%	356	42%	155	61%	9	100%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1034	36%	350	34%	152	47%	9	89%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOW (RATER 1)	1047	30%	1016	23%	346	21%	151	43%	9	80%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA	1017	71%	977	69%	331	72%	148	94%	9	100%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	856	9%	282	3%	132	24%	9	62%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	803	13%	264	6%	123	24%	9	79%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	729	17%	237	12%	107	14%	8	65%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	736	44%	665	34%	215	31%	95	49%	8	63%

NAEP 1990 TRIAL STATE ASSESSMENT - WISCONSIN
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1173	82%	305	75%	324	87%	42	89%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1173	84%	305	82%	324	90%	42	93%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1173	89%	305	86%	324	97%	42	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1173	89%	305	87%	324	91%	42	98%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1173	82%	305	76%	324	95%	42	92%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1173	83%	305	79%	324	91%	42	100%
N258101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1173	82%	305	75%	324	92%	42	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1173	89%	305	86%	324	95%	42	100%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1173	93%	305	90%	324	97%	42	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1173	79%	305	71%	324	86%	42	90%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1173	64%	305	51%	324	76%	42	100%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1173	75%	305	70%	324	84%	42	88%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1173	57%	305	45%	324	71%	42	95%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1173	86%	305	87%	324	89%	42	98%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1173	73%	305	62%	324	88%	42	100%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1173	53%	305	42%	324	62%	42	93%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1173	62%	305	47%	324	73%	42	95%
N260101	COMPUTE +8, -12 =-6	1223	63%	1173	74%	305	65%	324	90%	42	95%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1173	69%	305	50%	324	89%	42	95%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1172	50%	305	32%	323	68%	42	98%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1171	63%	305	45%	323	86%	42	94%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1168	44%	305	31%	322	54%	42	95%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1166	36%	304	16%	321	54%	42	93%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1173	65%	276	52%	330	80%	45	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1173	55%	276	35%	330	77%	45	90%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1173	65%	276	60%	330	72%	45	88%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1173	95%	276	97%	330	99%	45	98%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1173	55%	276	34%	330	77%	45	90%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1173	43%	276	35%	330	50%	45	78%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1173	48%	276	29%	330	67%	45	92%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1173	62%	276	47%	330	78%	45	100%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1173	56%	276	43%	330	69%	45	87%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1173	69%	276	58%	330	82%	45	93%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1173	35%	276	18%	330	51%	45	89%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1172	18%	275	7%	330	26%	45	60%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1172	31%	275	16%	330	39%	45	70%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1172	25%	275	16%	330	29%	45	70%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1172	17%	275	8%	330	20%	45	57%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1168	38%	274	19%	330	58%	45	91%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1166	20%	273	7%	330	30%	45	71%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1159	41%	270	31%	329	50%	45	69%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1186	96%	300	93%	321	98%	51	98%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1186	94%	300	92%	321	99%	51	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1186	79%	300	71%	321	85%	51	100%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1187	44%	299	25%	321	61%	51	83%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1187	77%	299	66%	321	86%	51	100%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1187	79%	299	68%	321	89%	51	98%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1187	67%	299	53%	321	86%	51	98%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1187	57%	299	40%	321	75%	51	98%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1186	61%	298	39%	321	79%	51	98%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1185	57%	298	39%	321	75%	51	84%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1178	53%	295	36%	320	72%	51	96%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1170	41%	292	31%	319	53%	51	53%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1163	51%	289	37%	318	61%	51	94%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1157	42%	286	30%	317	48%	51	86%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1151	44%	287	30%	315	56%	51	87%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1133	81%	282	73%	310	94%	51	96%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	1053	20%	254	4%	290	28%	50	73%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	999	20%	244	6%	273	27%	47	67%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	949	18%	232	11%	254	16%	45	57%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	891	50%	218	44%	236	58%	43	70%

NAEP 1990 TRIAL STATE ASSESSMENT - WYOMING
RESULTS FOR RELEASED ITEMS

NAEPID	DESCRIPTION	NATION		STATE							
		CORRECT OVERALL (SAC)		CORRECT OVERALL		CORRECT AT BASIC LEVEL		CORRECT AT PROFICIENT LEVEL		CORRECT AT ADVANCED LEVEL	
		N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
N276803	59 + 46 + 82 + 68 = 255 (NO CALCULATOR) (RATER 1)	1233	78%	1162	81%	326	78%	321	83%	26	85%
N277602	604 - 207 = 397 (NO CALCULATOR) (RATER 1)	1233	84%	1162	87%	326	87%	321	91%	26	100%
N267201	PENCIL LENGTH SHOWN IS 3 3/4 TO NEAREST 4TH INCH	1233	81%	1162	90%	326	84%	321	96%	26	100%
N250901	80 BOXES OF ORANGES PICKED ON THURSDAY (GRAPH)	1233	89%	1162	90%	326	88%	321	94%	26	100%
N250902	MORE LEMONS ON WED THAN ORANGES/GFRUIT (GRAPH)	1233	71%	1162	84%	326	78%	321	92%	26	96%
N286201	24 DIVIDED BY 6 SHOWS HOW TO PACK BASEBALLS	1232	74%	1162	83%	326	75%	321	93%	26	95%
N256101	THE VALUE OF N + 5 WHEN N = 3 IS 8 (RATER 1)	1231	74%	1162	84%	326	77%	321	94%	26	100%
N250201	BAG WITH 10 MARBLES BEST CHANCE TO GET RED ONE	1231	82%	1162	88%	326	81%	321	94%	26	93%
N265201	USE CENTIMETER NOT M OR KM FOR PENCIL LENGTH	1229	90%	1161	93%	326	92%	321	96%	26	100%
N274801	.35 CHANGED TO A PERCENT IS 35%	1229	76%	1161	78%	326	70%	321	88%	26	99%
N258801	125% OF 10 IS GREATER THAN 10	1228	53%	1161	61%	326	47%	321	74%	26	95%
N253701	2ND SET OF LINE SEGMENTS CANNOT MAKE A TRIANGLE	1228	68%	1161	71%	326	61%	321	80%	26	100%
N286602	WRITE 3 3/10 AS 3.3 (RATER 1)	1226	49%	1161	60%	326	50%	321	77%	26	85%
N275301	OF NUMBERS GIVEN, 5 IS COMMON FACTOR OF 10 AND 15	1225	82%	1162	86%	326	86%	321	88%	26	86%
N269901	THE FOURTH FIGURE SHOWN IS NOT A PARALLELOGRAM	1225	67%	1162	76%	326	69%	321	90%	26	90%
N265901	ONE LITER IS 1000 MILILITERS	1225	50%	1162	53%	326	38%	321	70%	26	76%
N252101	PERIMETER OF RECTANGLE 8M X 5M IS 26 METERS	1224	58%	1161	66%	326	57%	321	78%	26	94%
N260101	COMPUTE +8, -12 =-8	1223	63%	1161	76%	326	62%	321	91%	26	100%
N263501	AVERAGE AGE OF CHILDREN IS 7	1215	59%	1161	66%	326	50%	321	87%	26	87%
N264701	X TIMES 1 = X TRUE WHEN ANY NO. SUBSTITUTED FOR X	1214	38%	1161	50%	326	30%	321	74%	26	91%
N286301	.075 IS BETWEEN .07 AND .08	1214	51%	1161	63%	326	44%	321	80%	26	96%
N254602	SECOND LINES SHOWN ARE PERPENDICULAR	1206	37%	1159	42%	326	24%	320	54%	26	79%
N255701	2X + 3Y + 4X = 6X + 3Y	1201	34%	1157	44%	326	28%	319	58%	26	94%
M015401	150 MINUTES = 2 1/2 HOURS	1252	58%	1167	61%	349	46%	297	80%	23	97%
M015501	IF 2/25 = N/500 THEN N = 40	1252	48%	1167	50%	349	37%	297	69%	23	91%
M015601	STRAIGHT LINE CAN'T BE DRAWN ON SURFACE OF SPHERE	1252	58%	1167	66%	349	57%	297	75%	23	98%
M015701	LIQUID LET OUT OF THE TUBE: 15 MILLILITERS	1251	92%	1167	96%	349	95%	297	98%	23	100%
M015801	AVERAGE WGHT 50 TOMATOES=2.36 COMBINED WGHT=118	1249	44%	1167	54%	349	42%	297	71%	23	95%
M015901	FIGURE A BEST ILLUSTRATES THE STATEMENT	1249	43%	1167	39%	349	33%	297	49%	23	90%
M016001	LEAST WHOLE NUMBER X FOR WHICH 2X > 11 IS 6	1249	43%	1167	47%	349	29%	297	65%	23	80%
M016101	9 CHIPS IN BAG - PROBABILITY DRAW EVEN CHIP = 4/9	1247	55%	1167	54%	349	47%	297	65%	23	86%
M016201	BOX 48 CUBIC INCHES-MEASUREMENT REPRESENTS VOLUME	1247	41%	1167	52%	349	41%	297	67%	23	94%
M016301	FLIP TRIANGLE OVER LINE L AND GET FIGURE E	1247	58%	1167	67%	349	63%	297	81%	23	82%
M016401	DIST. BTWN MIDPOINT OF MN & MIDPOINT OF PQ = 30 CM	1246	27%	1167	33%	349	19%	297	49%	23	62%
M016501	120 IS LEAST COMMON MULTIPLE OF 8, 12 AND 15	1242	17%	1166	19%	348	11%	297	28%	23	38%
M016601	DIAGONAL MEASUREMENT OF TV SCREEN SHOWN IS 50 INCH	1238	25%	1166	28%	348	18%	297	38%	23	78%
M016701	FIGURE A CONTAINS PERPENDICULAR LINE SEGMENTS	1232	19%	1164	22%	347	13%	297	30%	23	52%
M016801	LENGTH OF RECTANGLE CAN BE EXPRESSED AS L - 3	1227	14%	1163	16%	346	7%	297	21%	23	64%
M016901	IF PATTERN CONTINUES 100TH FIG. WILL HAVE 201 DOTS	1208	33%	1155	39%	345	26%	295	51%	23	100%
M016902	EXPLAIN HOW GOT ANSWER FOR QUESTION 16 (RATER 1)	1191	14%	1150	19%	344	7%	294	30%	23	82%
M017001	15 GIRLS, 11 BOYS - PROBABILITY SELECT BOY = 11/26	1173	37%	1141	29%	341	21%	293	33%	23	56%
M027031	(150 / 3) + (6 X 2) = 62	1197	94%	1150	96%	360	95%	308	97%	25	100%
M027131	IF N + N + N = 60, THEN VALUE OF N = 20	1196	88%	1150	93%	360	93%	308	97%	25	100%
M027231	THE LINE SEGMENT IS A DIAMETER IN CIRCLE A	1196	74%	1150	79%	360	70%	308	90%	25	95%
M027331	PRODUCT OF 3.12 AND 8 CUBED = 1597.44 (RATER 1)	1196	32%	1150	36%	360	25%	308	53%	25	87%
M027431	FIGURE THAT HAS 2 CIRCULAR BASES - A CYLINDER	1195	66%	1150	76%	360	71%	308	89%	25	95%
M027531	3 X (BOX + 5) = 30 BOX = 5	1192	68%	1149	74%	360	69%	308	86%	25	100%
M027631	MODEL: IF 15 FT = 3 INCHES, THEN 35 FT = 7 INCHES	1189	56%	1148	65%	360	53%	308	84%	25	92%
M027731	TO GET 2ND NUMBER IN PAIRS: MULT. BY 2 AND ADD 1	1186	47%	1148	57%	360	44%	308	71%	25	96%
M027831	OBJECT 30 LBS-EARTH WEIGHS 5 LBS ON MOON (RATER 1)	1182	47%	1147	56%	359	41%	308	80%	25	100%
M027931	COST TO RENT MOTORBIKE: FILL IN TABLE (RATER 1)	1174	44%	1146	55%	359	40%	308	78%	25	96%
M028031	($14.95 + $5.85 + $9.70) X .06 = $32.33	1149	44%	1142	47%	355	35%	308	69%	25	81%
M028131	12 DIVIDES N W/O REMAINDER, ALSO 2,3,4,6 (RATER 1)	1128	31%	1138	37%	352	30%	308	48%	25	72%
M028231	BEEF = $2.59 /LB - 0.93 LBS COST $2.41	1106	43%	1127	51%	349	42%	308	65%	25	99%
M028331	RATIO LENGTH SIDE EQUIL TRIANGLE TO PERIMETER 1:3	1074	42%	1115	40%	347	35%	302	45%	25	81%
M028431	PLOT THE POINTS (5,2) ON THE GRID SHOWN (RATER 1)	1047	30%	1103	37%	340	23%	300	57%	25	84%
M028531	MAKE A CIRCLE GRAPH TO ILLUSTRATE DATA (RATER 1)	1017	71%	1076	80%	330	74%	294	91%	25	95%
M028631	MEAT COST: (214,964/52)X2.53 = $10458.83 (RATER 1)	914	13%	984	14%	294	5%	265	23%	25	58%
M028731	50 CENTS TO 60 CENTS - PERCENT INCREASE IS 20	861	16%	922	17%	278	8%	244	25%	24	77%
M028831	RECTANGLE: LENGTH IS 4, WIDTH IS = 2 1/4	800	17%	840	16%	260	7%	217	21%	23	56%
M028931	IF 10.3/5.62 = N/4.78 THEN 8.76 IS CLOSEST TO N	738	44%	773	44%	242	33%	204	58%	19	44%

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"...the Board shall ... [identify] appropriate achievement goals for each age and grade in each subject area to be tested under the National Assessment;"

Public Law 100-297